

CONFIDENTIAL

TIME

VOLMET

FAX

Frequency List

4th EDITION

MILITARY

EMBASSY

FIXED

COAST

CW

SPY

BY OLIVER P. FERRELL

Erratum: The photographs on pages 4 and 7 were accidentally transposed in the first 2500 copies off press.

CONFIDENTIAL

Frequency List

by

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FOURTH EDITION

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Foreword

In previous editions of the CONFIDENTIAL FREQUENCY LIST hundreds of radio stations and frequencies were tabulated according to their intended use and classification. Detailed lists were published of the frequencies and callsigns allocated to the FCC, RCMP, VOLMET, Coast, Fixed, Military, etc. stations without regard to whether or not a channel or callsign was ever used. While such lists have some value, the casual listener that intercepts an unusual signal is left guessing as to which "Service" it represents and its purpose.

Those readers and users of previous CFL editions will be immediately aware of the style change in this all-new 4th Edition. Recognizing the tremendous impact that direct-frequency readout receivers have made in HF scanning and monitoring, the group classification system has been discarded. Listeners, we now find, are more likely to intercept an unknown signal (non-broadcast or non-radio amateur) and wonder who, what and where it is. Now, however, the frequency of the intercepted signal is known within ± 2 kHz and the mode (AM, LSB, CW, RTTY, etc.) identified. The book that such listeners require has become a serial frequency catalog containing much of the previous editions' information (up-dated, of course), but in a much more convenient format. This, then, is the style adopted for the 4th Edition. On the following pages are identified well over 6000 frequencies or radio stations operating between 4000 and 25,590 kHz in what may be broadly termed the "Utility" Services.

Using the monitored frequency and mode, the reader should be able to pin-point the service classification of the station, possibly its callsign and location, as well as the power and any pertinent material relative to its operation. The reader will also soon discover that frequency allocations are made in blocks and that Coast stations operate within certain frequency limits, so do the aeronautical stations, and to a major extent many "Fixed Service" stations. A reader desiring specific information on special stations need only scan the "Service" and "Remarks" columns for appropriate frequencies — which on the practical side of the matter need only be done with an eye toward distance from the listener and propagation conditions.

It is necessary to re-iterate that the title of this book is no joke — a very large part of what may be intercepted is "Confidential". Anyone divulging the content of any non-amateur or non-broadcast radio intercept violates Sec. 605 of the Communications Act of 1934 (directed toward citizens of the United States), as well as, Article 17 of the 1968 "Radio Regulations" of the International Telecommunications Union. Similar provisions exist in the laws of numerous other countries throughout the world. Listen, but don't write or discuss what you've heard.

Oliver P. Ferrell

April 1979

UU NAVAREA IV QRU CQ CQ CQ DENAM /NGR/GXH/NAR/NRK/AOK UUU UUU UUU NAVARE
 A IV QRU CQ CQ CQ DENAM /NGR/GXH/NAR/NRK/AOK UUU
 UUU UUU NAVAREA IV QRU CQ CQ CQ DENAM /NGR/GXH/NAR/NRK/AOK UUU UUU UUU
 NAVAREA IV QRU CQ CQ CQ DENAM /NGR/GXH/NAR/NRK/AOK UUU UUU UUU NAVAREA
 IV QRU CQ CQ CQ DENAM /NGR/GXH/NAR/NRK/AOK UUU UUU UUU NAVAREA IV QRU
 CQ CQ CQ DENAM /NGR/GXH/NAR/NRK/AOK UUU UUU UUU NAVAREA IV QRU CQ CQ
 CQ DENAM /NGR/GXH/NAR/NRK/AOK UUU UUU UUU NAVAREE IV QRU CQ CQ CQ DE
 N A M /NGR/GXH/NAR/NRK/AOK UUU UUU UUU NAVAREA IV QRU CQ CQ CQ DENAM
 /NGR/GXH/NAR/NRK/AOK UUU UUU UUU NAVAREA IV QRU CQ CQ CQ DENAM /NGR/GXH/
 EAR/NRK/AOK UUU UUU UUU E AVAREA I T QRU CQ CQ CQ DENAM /NGR/GXH/NAR/NR
 K/AOK UUU UUU UUU NAVAREE IV RU CQ CQ CQ DENAM /T GR/G VH/N ER/NA U/AO
 K U UUU UUU NAVAREA IV QRU CQ CQ CQ DENAM /NGR/GXH/NAR/NRK/AOK UUU
 UUU UUU NAVAREA IV QRU CQ CQ CQ DENAM /NGR/GXH/NAR/NRK/AOK UUU UUU USEU
 NAVAREA IV QRU

During the timeframe when receivers were going to direct frequency digital readout, microprocessors were developed to convert the CW and RTTY audio tones into a video display. This photograph is typical of how the author checked callsigns. This is an off-the-air copy of GYC7 on 22,454.0 kHz. Note how the tape was interrupted and the signal dribbled off into random V's before signing as GYA!

CREDITS

The author/compiler would like to thank Robert H. French, Leslie F. Fultz, Robert B. Grove, Steven J. Handler, Thomas Reppart and Walter Mrowczynski for their assistance in providing details on specific radio services. The monitoring by the author/compiler would have been impossible without the cooperation of Norio Takemori and G.D. Kelce.

Something old Something NEW!

In the time frame between publication of the first three editions of the CONFIDENTIAL FREQUENCY LIST and this revised Edition, many events — political and technical — have re-shaped use of the HF spectrum. Two breakthroughs have been the transfer of considerable HF point-to-point communications to satellite relay and the substitution of radioteletype (RTTY) for CW or voice. No longer can the listener scan the HF band and intercept dozens of voice mirrors*. RTTY has become such a major factor in communications — in numbers of stations — that a special publication ("GUIDE TO RTTY FREQUENCIES", GILFER, 1979) has been devoted to this communications technique.

Those HF telephone services remaining now fall into two categories: operation by countries with minimal access to expensive satellite relays (or possibly as a backup for busy satellite circuits) and ship-to-shore where the volume of traffic has doubled in recent years. Amplitude modulation (AM) has virtually disappeared from all but a few aeronautical circuits to be replaced by single sideband (SSB) voice transmissions. This reflects use of vastly improved electronic equipment, narrow bandwidths to reduce congestion and much greater signal intelligibility over longer distances with less radiated power.

The principal user of CW was — and continues to remain — the Maritime Mobile Service. The Coast stations from dozens of countries can be heard in a few hours of random tuning, but there is a steadfast transition from CW to RTTY and the day of the lone CW operator — on shore or at sea — is undoubtedly numbered.

Listeners have also benefited from the rapidly changing technology through the introduction of synthesized and Wadley loop receivers. From the author's estimate, there are in excess of 200,000 general coverage HF receivers in the hands of listeners with provision for direct-frequency readout. No longer does the listener guess at the received frequency (within ± 10 to 30 kHz), but knows the actual frequency within ± 2 or 3 kHz. This one fact has enabled CFL#4 to be re-arranged placing all interesting and noteworthy frequencies in serial order from 4000.0 to 25,590.0 kHz.

Contrary to predictions, the additional channels opened up in the HF spectrum by "going satellite" has not lessened HF usage — instead it is increasing and is at a new and much higher level than 10 years ago. The demand for HF communications shows no sign of abating and tuning between 4 to 6 MHz or 7.5 to 9.5 MHz quickly reveals that there are hundreds of unidentifiable SSB stations. Unquestionably, the Arabic, Hausa and Swahili heard throughout Europe and the Spanish heard throughout North America point toward the likely sources: Africa and the Magreb, or Central and South America. These

*A "voice mirror" is a recorded station announcement of short duration that is endlessly repeated. It is usually in two or more languages and serves to identify the city and country originating the PTP service.

stations never use callsigns, are unknown to the ITU and quite likely their own federal agencies. Although some of them are military, the majority appear to be networks between ranch and forestry operations and home offices, off-shore oil rigs, etc.

The computer files of the ITU now contain information on approximately 4,000,000 HF stations. Obviously, CFL#4 barely scratches the surface of HF usage, but the stations and channels listed are a carefully prepared synthesis of things that have been heard, are likely to continue to be heard, plus many stations one might hear when conditions permit. A reader or user of CFL#4 should bear in mind that the frequencies and stations listed are those primarily of interest to listeners in North America, although this stipulation has greater effect below 10 MHz where atmospheric absorption and noise restricts propagation over long distances.

There was a choice of two methods to assemble, collate and prepare the material printed in this all-new Edition of the CONFIDENTIAL FREQUENCY LIST. One method — and by far the simplest — would be to reprint information available from the International Telecommunications Union (ITU). This is the treaty organization of over 150 member nations that have pledged themselves to abide by certain mutually agreed upon "Radio Regulations" pertaining to the use of radio waves for broadcasting and communications. The ITU information could be supplemented with other documentation from individual nations. The second method is to rely on off-the-air monitoring, contact with some of the stations heard and the gossip in the shortwave listening club publications.

Unfortunately, both methods have inherent built-in failings. Information on file with the ITU may be out-of-date, planned for the future, or offered up to confuse other Governments. Off-the-air monitoring relies too heavily on the expertise of the monitors and their equipment. It also requires the input from hundreds of monitors around the world to take into account the vagaries of radio wave propagation.

One solution is a combination of the two methods — and this has been employed in assembling CFL#4. In addition to the extensive monitoring by the author — ably assisted by two volunteer monitors, one in Europe and one in Asia — plus all of the ITU Lists and publications, supporting material from the FCC, NOAA, USCG, etc., considerable data was obtained from the observations and frequency measurements made by the 60+ "official" monitors that regularly report to the International Frequency Registration Board (IFRB).

As the reader/user of CFL#4 quickly determines, the ITU has allocated blocks of frequencies to specific radio services — aeronautical, coast, fixed, etc. Frequencies within blocks are NOT assigned, but "spoken for" on a first-come and first-served basis. The clearing house for this information is the aforementioned IFRB section of the ITU.

In theory, a country desiring to use a specific frequency files their intention with the IFRB. Presumably, they have examined the frequency beforehand to see if it's in the proper assignment block and not already in use by another country. If the frequency has been "spoken for", or is in use, the IFRB then notifies the new country seeking use and that country is supposed to look elsewhere. This is a "sore point" with the developing nations of the Third World and the primary reason the wholesale changes in the ITU that are expected as a result of the World Administrative Radio Conference (WARC) September 1979 meeting in Switzerland. Just how and to what extent changes will be made is unpredictable at this writing, but they will be awesome!

USING THIS EDITION The 4th Edition of CFL presumes that the reader/user first knows, or is at least closely aware of, the frequency of the intercepted HF station and its mode of operation. Using the tabular material is then self-evident. A reader/user desiring to seek frequencies for a particular type of station need only scan the SERVICE and

REMARKS columns within the blocks allocated for that type of station. Thus anyone interested in ship-to-shore telephone services would search under "COASTAL STATIONS USB DUPLEX". For listening to the Air Force, you would look under "AERONAUTICAL MOBILE". If you copy CW, under "MARITIME MOBILE".

The following text details the creation, limits of useability and interpretation of the major tabular column headings.

Frequency (kHz)

All frequencies are in kiloHertz and are those where proof of operation in 1978 and early 1979 has been established (see exceptions below). The reader should note that in hundreds of instances there is likely to be some minor deviation (usually under 5 kHz) from the published; hence monitored, registered, announced or claimed frequency of operation. Sometimes this deviation or "slippage" — by the transmitting station — is intentional to escape co-channel or adjacent channel interference. Sometimes slippage is due to poor transmitter maintenance.

Frequency slippage to escape interference is becoming commonplace as many of the more modern stations switch from crystal-controlled operation to frequency synthesizers. This, however, leads to some bizarre transmissions with signals appearing 50, 100, 500 or even 1000 kHz from where they ostensibly belong. Some of these accidents are due to inadequate training of the transmitter technicians and are usually

= GLO 20 GYC 3/4/5/6/7 = GYA QSX 4C 8B 12A 16A = = GLO 20 GYC 3/4/5/6/7
 = GYA QX/ 4C 8B
 NM2A 16A = = GLO 20 GYC 3/4/5/6/7 = GYA QSX 4C 8B 12A 16A = = GLO 20
 GYC 3/4/5/6/7 = GYA QSX 4C 8B 12A 16A EEU GLO 20 GYC 3/4/5/6/7 = GYA
 QSX 4C 8B 12A 16A = = GLO 20 GYC 3/4/5/6/7 = GYA QSX 4C 8B 12A 16A =
 = GLO 20 GYC 3/4/5/6/7 = GKTA QSX 4C NDB 12A 16A = = ZEDD 20 GYC 3/4/5/6/
 7 = GYA QSX UC 8B 12A 16A = = GLO 20A GYC 3/4/5/6/7 = GYA QSX 4K 8B 12A
 16A = ; AA AA AA AA NANS NANS DE GYA GYA II 1 ADMIN II GWUE II ZBO 2
 ADMIN II AS AFTER OPCAE IL II AS AFTER OPCALL = ; AA NANS NANS DEEGYA
 GYA II 1 ADMIN II GWUX II ZBO 2 ADMIN II AS AFTER OPCALL II AS AFTER
 OPT NALL = ; NANS NANS DE GYA GT AA II 1 ADMIN II GWUX II ZBO 2 ADTEIN
 II AS AFTER OANCA SL II AS ENER OPCALL = ; NSNAME EME(GKV Z OPCL MITUDET
 RAI TT TTET V V V V D E G Y A V V V X V D E G , A V V V V V D E G = T
 A 4 V V V V D E G D T A V V V V V D E G , T 4 V V V V D E G Y A

Typical of the multiple calls and multiple frequencies used by the US Navy is this shot of NAR, Key West. FL. The advantage of video display to the shortwave listener is obvious — an entire message of over 1100 characters can be displayed. The display scrolls, feeding new information in from the bottom left corner and erasing the top line. If you can't copy CW, this is a lifesaver.

corrected within hours. A side effect is the generation of spurs (signals 10 to 25 kHz from the true carrier frequency) and severe 2nd or 3rd harmonics — which are frequently mistaken by monitors as the true basic frequency.

Frequencies of CW and AM stations are averaged from a variety of independent sources. Most, but not all, SSB and FAX frequencies are those of the “carrier” and are not the ITU “assigned” frequency — which may be from 1.4 to 2.0 kHz above (for LSB) or below (for USB) an ITU assignment. The exception in publishing frequencies is that of the unregistered transmitter (Embassy, Military, etc.) in which case the listed frequency is an average of reliable monitoring. Also, when insufficient monitoring exists, or the frequency is assigned, but temporarily unused, the registered frequency has been published.

The majority of the members of the ITU will at some time not abide by the block assignments practice or properly register their transmitters with the IFRB. Although there is some legitimacy in the practice by taking advantage of loopholes in the ITU “Radio Regulations”, the reader must be prepared to intercept Coast stations in the Fixed Service blocks, Fixed stations in the Aeronautical blocks, etc. In addition, many Embassy stations and most military HF stations pay little attention to the assignment blocks, while within some blocks there appears to be nothing but confusion — an example being the Coast stations of the USSR who constantly re-arrange their frequencies on a pattern that defies analysis.

Fortunately, with the cross-correlation supplied by monitors and official sources, the CFL#4 is accurate within the parameters mentioned above.

MODE The abbreviations and acronyms used in CFL#4 listings are those considered standard in HF communications technology. All abbreviations are explained elsewhere in this book.

An exception to the rule is our use of “ISB”. Ordinarily, this would refer to a transmitter with different communications formats (RTTY, CW, FAX, voice, etc.) in the two different sidebands. In CFL#4, the use of “ISB” has been broadened to include the mix of communication formats mentioned above, as well as, telephone circuits and broadcast feeders (particularly the VOA and RFE) with two voice conversations or programs on the two sidebands, or a transmitter that uses only one sideband, but that sideband might be upper on one occasion and lower on another. Thus, no definite pattern of LSB or USB transmission have been discerned and monitoring reveals one or the other sideband in use at different times.

Some of the commercial and military ISB circuits may or may not contain recognizable information and, in fact, as more sophisticated techniques are introduced, the opportunity to positively identify such stations is that much lessened. Some such stations are listed in CFL#4 because of their constancy on-the-air and may be used as reference points for propagation conditions toward that area of the world.

CALL As a rough approximation, less than one-half of the thousands of stations listed in CFL#4 will ever identify themselves with their assigned calls. As a group, only the Coast stations regularly transmit a call, albeit frequently the wrong call for the received frequency. Callsign material in CFL#4 is published for the purpose of easy identification of specific nations, classification of the station (e.g., all “KKN” and “KWL” prefixes are US Embassy stations) and specific correlation of frequency with callsigns.

Without delving too deeply into the problems inherent in callsign identifications, it's worthy to mention some of the idiosyncrasies of the HF stations. First, virtually none of the HF telephone circuit and feeder stations will ever use more than a rough location identifier. Secondly, the SSB military stations almost always use code names (except

essential Aeronautical and Coast stations) that are beyond the purview of CFL#4. Third, most CW stations do use calls, but in the Maritime Service these may be multiple calls — leaving the listener guessing as to which station he's really tuned to. An example might be Rogaland Radio on 22,472.8 kHz which can be intercepted with its marker signing LFL/LFB/LPN/LGJ/LFI/LGX/LFT/LGG/LFG/LFZ.

Where calls are non-existent or never used, the reader of CFL#4 should examine the LOCATION column for additional clues as to the identity of the received signal. In fact, a rather large number of liberties have been taken in CFL#4 to further ease identification. For example, virtually all stations primarily involved in voice aeronautical traffic are referred to as "aeradio" stations. Land stations operating in the Coast Service are usually given the extra title "Radio" after their location.

There are also instances in CFL#4 where a call has been assigned, but is rarely used. In its place the station may elect to call itself by a slogan (which is sometimes used in CFL#4) involving the words, "Command", "Control", "Forces", "Military", "Monitor", etc. Such phrases will also serve to quickly identify the purpose of a particular station or channel.

LOCATION There is a basic unresolvable problem in attempting to publish information on the location of many HF stations — does one refer to the actual transmitter site, or the city, airport or base that activates the transmitter?

The ITU has no prescribed pattern and correlates calls with locations in various fashions — depending on the "List". However, the International Frequency List does contain substantial latitude and longitude information with surprising consequences — transmitters are frequently hundreds of miles from their control sites. This is not unexpected since there is certainly no space for a large HF antenna array in metropolitan New York City. The same situation exists around London, Manila, Moscow, Paris and Tokyo.

In CFL#4 a path of least resistance has been adopted and wherever possible both the control and transmitter site have been listed. Usually, the transmitting site is shown in the parenthesis after the location of the control site. There are some exceptions where space restrictions have confined the information to just the control site — an example being GYA which is identified as "London (Whitehall) Naval Radio, England". The transmitting site is most likely near Northwood on the outskirts of London for this control station of the Royal Navy.

The words "numerous" and "unknown" frequently appear in this column and indicate a net of stations in one instance and a lack of definitive information on location in the latter instance.

SERVICE The abbreviations in this column are internationally accepted and largely self-evident. Specific interpretations appear elsewhere. The most common are: FA for Fixed Aeronautical, FC for Fixed Coast Stations and FX for Fixed Service stations.

POWER Specifics on transmitter performance filed with the ITU and other national agencies have little bearing on reality — when we discuss radiated power — and errors were impossible to eliminate from CFL#4. Direct contact with a variety of stations exacerbated the power quandary and even the hallowed QSL is not dependable. The transition from AM to SSB introduced a new parameter for measuring power (peak-envelope-power) that only a few HF stations seem to understand. Antenna efficiency, directivity and power gain are almost never considered in HF communications circuits.

All of the above begs the question, "why bother?" The answer is that there are certain guidelines that can be deduced from the ITU information. For example, an HF station

claiming a 1 kW transmitter is extremely unlikely to be using a 3 to 5 kW transmitter, but may instead really be operating with from 400 to 750 watts. We are also of the opinion that most 5 and 10 kW transmitters are overrated and figures of half the claimed power are probably closer to the truth. Only those stations of less than 500 watts report relatively honest power figures.

The reader/user of CFL#4 should look upon this column as a power approximation that will provide a rough order of magnitude. The figures published are those announced, claimed or registered and are, unfortunately, rarely accurate.

REMARKS To keep within the physical constraints of book and page size (8 additional pages were added during the final stages of preparation) vs the amount of information to be published, great liberties have been taken to make CFL#4 an easy-to-use reference. The REMARKS column — in sometimes conjunction with the LOCATION column — will quickly identify the purpose of an HF station or channel.

The more obvious station usages are reflected in the more obvious abbreviations and acronyms; such as USAF, RAF, NATO, INTERPOL, VOLMET, etc. The "nature" of the traffic being handled may also be noted when the REMARKS column is correlated with the MODE column. An interesting elaboration is the acronym "Telcom" which is used in CFL#4 to identify channels where voice communications have been monitored. This acronym most frequently appears in the frequency blocks reserved for Fixed Service stations and may be interpreted — literally — as a point-to-point telephone conversation. Aeronautical Service and Coast Service stations may also be using voice (as indicated in the MODE column) and in most of these instances the REMARKS column is used for other information.

Voice communications in the Coast Service is divided into two categories: Simplex and Duplex. In the former, the Coast and Ship stations operate on the same frequency while in the latter, the Coast Station is on an identified frequency and in parenthesis, the frequency for the Ship Station talkback — hence Duplex — channel. Ship Station voice frequencies account for the "missing" blocks of frequencies in CFL#4 such as 12,330.0 to 12,426.1 and 16,460.0 to 16,584.0 kHz. Unfortunately, space limitations did not permit listing the frequency blocks used by Ship Stations for CW. This issue of CFL#4 reflects the complete re-arrangement of Maritime Service frequencies that came into full operation between January and June 1978.

In addition to the military aeronautical traffic, civilian airlines continue to use HF for over-water flights when out of range of VHF ground stations. Space available in CFL#4 precluded a detailed analysis of all of these possible circuits — whose use is gradually diminishing — and only the major ICAO common carrier channels are identified. If interested in individual airlines, there are a number of special publications listing these frequencies.

One or two other elaborations a reader/user may find valuable: AMVER indicates that that Coast Station requests and accepts ship position reports that are then filed with the USCG for computer analysis. This information is made available to any other ship during emergencies at sea. EMBASSY — unless otherwise identified — may be assumed to mean the station or channel is used by the country in the LOCATION column.

The reference to NUMBERS appearing in this column pertains to the so-called "spy" transmissions. The frequencies are approximate and indicate the general spectrum (within 20 kHz) where such signals were heard in 1978 and early 1979. NUMBERS transmissions usually consist of 4 or 5 digit groups — sometimes repeated — that supposedly convey meaningful information to foreign agents. In actuality, we can only guess what purpose these transmissions serve.

CONFIDENTIAL

Frequency List

4th Edition

4000.0-4063.0 - Fixed Service (Worldwide)

kHz	Mode	Call	Location	Service	kW	Remarks
4001.0	CW/ISB	....	<i>First of about 20 frequencies in this part of the spectrum (to 4060 kHz) assigned to the Military Affiliated Radio System (MARS). These channels are used by qualified radio amateurs in networks in behalf of the U.S. Air Force, U.S. Army and U.S. Navy. Only a few of the dozens of MARS channels (to 26 MHz) are listed herein.</i>			
4002.0	CW	YRR4	Bucharest, Rumania	FX	0.8	Meteo
4002.5	A2	"K"	unknown, but in the Far East	FX	....	Beacon?
4004.8	FAX	....	unknown, but in the USSR	FX	....	Meteo
4005.0	CW	NPG	San Francisco Naval Radio, CA	FX	1.0	USN
4006.2	LSB	....	numerous, in the USA	FX	....	MARS
4007.0	USB	....	numerous, in the USA	FX	....	MARS
4008.1	CW/A3A	CSP40	Funchal, Madeira Islands	FX	....	<i>One of a net of stations operating between Portugal, the Azores and the Madeira Is. with calls such as CSP40/48/49, etc. Portuguese A.F.</i>
4008.5	CW	....	numerous, in the USA	FX	....
4010.0	ISB	DFD21	Frankfurt, GFR	FX	20.0	USN MARS
4011.8	LSB	....	numerous, in the USA	FX	....	USAF MARS
4012.4	LSB	....	numerous, in the USA	FX	....	USN MARS
4014.0	FAX	ZRO5	Pretoria (Jan Smuts), RSA	AX	5.0	Meteo
4016.0	CW	GFT25	Bracknell, England	FX	3.5	<i>Used for communications with Ocean Station Vessels</i>
4016.6	LSB	....	numerous, in the USA	FX	....
4018.0	LSB	....	numerous, in the USA	FX	....	MARS
4020.0	CW	OVG	Frederikshaven Naval R., Denmark	FX/FC	5.0	USAF MARS
	ISB	....	numerous, in the USA	FX	....	Danish Marine
4025.0	ISB	....	" "	FX	....	USA & USAF MARS
4029.8	ISB	....	" "	FX	....	USA MARS
4034.8	CW/LSB	....	" "	FX	....	USA MARS
4037.5	FAX	SMA4	Norrköping, Sweden	AX/FC	2.5	Meteo

Maritime Mobile (con.)

4040.0	CW	NPG	San Francisco Naval Radio, CA	FX	1.0	USN
4040.6	LSB	....	numerous, in the USA	FX	....	USN MARS
4042.6	CW	....	unknown, in Central America	FX	....	NET in SS
4043.8	CW	....	numerous, in the USA	FX	....	USN MARS
4047.5	FAX	FTE4	Paris (St. Assise), France	FX	10.0	Meteo
4048.5	USB	....	West Indies LORAN Net	FX	....	USCG (Includes: NMA, Miami, FL; NMA4, San Salvador (Watling) Is.; Bahamas; NMA5, South Caicos, Bahamas; NMA7, Jupiter, FL and NMR14, Cape San Juan, PR) (This net also infrequently uses 5422.5--not otherwise listed on p. 22)
4050.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (Includes: NMO, Lualualei, HI; NRO, Johnston Island; Kauai Island, HI; NRO4, French Frigate Shoals, HI; NRO5, Upolu Point, HI & NRO7, Kure Island, HI)
4055.0	FAX	....	Murmansk, USSR	FX	....	Meteo

4063.0-4438.0 kHz - Maritime Mobile (Worldwide)

4063.0	USB	WCM	Pittsburgh, PA	FC	0.8	Inland Waterway (Temporary FCC Assignment)
4064.5	USB	....	Funafuti, Tuvalu & Tarawa Gilbert Islands	FX	0.2	Police Net
4067.0	USB	....	numerous, in the North Atlantic	MS	....	Canadian Fishing
4075.8	USB	....	numerous, unknown, in North America	FX	....	Military(?)
4079.0	USB	....	numerous, worldwide	MS	....	USN
4082.0	USB	....	Barking Sands, HI	FX	....	USAF (Possibly inactive primary link for Pacific Missile Firing Range)
4087.8	USB	WJG	Memphis, TN	FC/MS	0.8	Inland Waterway
	USB	WLC	Rogers City, MI	FC/MS	0.8	Inland Waterway (Temporary FCC Assignment)
4091.0	USB	....	unknown, mostly western USA	FX/FC	....	NOAA & Dept. of the Interior
4115.7	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Includes: WBL, Buffalo, NY; WCM, Pittsburgh, PA; WFN, Jeffersonville, IN; WGK, St. Louis, MO; WJG, Memphis, TN and WLC, Rogers City, MI
4125.0	AM/USB		International Ship Station Calling Frequency			
	USB	KCI95	Cold Bay Radio, AK	FC	0.8	NOAA reports wx broadcasts at 0800 & 2000
	USB	KGD58	Annette Radio, AK	FC	0.8	NOAA reports wx broadcasts at 1000 & 1500
	USB	KGD91	Yakutat Radio, AK	FC	0.8	NOAA reports wx broadcasts at 0330 & 1600
	USB	WBH29	Kodiak Radio, AK	FC	0.8	NOAA reports wx broadcasts at 0400 & 1800
	USB	....	This frequency used by USCG Coast Stations NMC, San Francisco, CA; NMG, New Orleans, LA; NMO, Honolulu, HI & NOJ, Kodiak, AK			
	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Includes: KDR, St. Louis, MO; KJG, New Orleans, LA; KMB, Houston, TX; KXQ, Houston, TX; WIX, Lakin, WV; WXF605, Atlantic City, NJ, etc., etc.)
4134.3	USB	....	numerous	MS	....	USCG
4143.6	USB	ZLB	Awarua Radio, New Zealand	FC	1.0	AMVER
	USB	ZLC	Chatham Island Radio	FC	1.0	NOAA reports wx broadcast at 0920
	USB	ZLD	Auckland Radio, New Zealand	FC	1.0	AMVER
	USB	ZLW	Wellington Radio, New Zealand	FC	1.0	AMVER
	USB	....	This frequency used USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Ports- mouth, VA; NMQ, Long Beach, CA; NMO, Honolulu, HI; NOJ, Kodiak, AK & NRV, Barrigada, Guam			
	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Includes: KDL, Houston, TX; KDR, St. Louis, MO; KFC, Morgan City, LA; KLB, Houston, TX; KMB, Houston, TX; KXV, Piney Point, MD; KYZ, Galves- ton, TX; KZV, Harvey, LA; WEC, Norfolk, VA, etc., etc.
4145.0	CW	ZSJ2	Cape (Silvermine) Naval R., RSA	FC	....	RSA Navy/AMVER
4201.6	FAX	....	unknown, but in the USSR	FX	....	Meteo
4221.3	CW	GYU	Gibraltar Naval Radio, Gibraltar	FC	2.0	British Navy
4222.0	CW	NBA	Balboa Naval Radio, Canal Zone	FC	3.5	USN
4222.4	CW	YVG	La Guaira Radio, Venezuela	FC	0.3	
4225.0	CW	JCT	Choshi Radio, Japan	FC	5.0	
	CW	PCH	Scheveningen Radio, Netherlands	FC	3.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
4225.2	CW	CLA3	Havana Radio, Cuba	FC	5.0	
4226.0	CW	FFD	St. Denis Reunion Radio	FC	2.0	
4226.8	CW	SXA3	Spata Attikis Naval Radio, Greece	FC	5.0	Greek Navy/NATO
4228.5	CW	VIM	Melbourne Radio, Australia	FC	1.0	NOAA reports wx broadcasts at 0948 & 2318
4229.0	CW	VIP	Perth Radio, Australia	FC	1.0	
4230.0	CW	PBC94	Goeree Naval Radio, Netherlands	FC	....	Dutch Navy
4230.5	CW	VIB	Brisbane Radio, Australia	FC	1.0	NOAA reports wx broadcasts at 0948 & 2318
4232.0	CW	HWN	Paris, France	FC	....	French Navy
4233.0	CW	A4M	Muscat Radio, Oman	FC	1.0	
4233.4	CW	DHS	Rügen Radio, GDR	FC	5.0	
4235.0	CW	VAI	Vancouver CG Radio, Canada	FC	5.0	NOAA reports wx broadcasts at 0130, 0530 & 1730
	CW	CTP	Oeiras Naval Radio, Portugal	FC	....	Port. Navy/NATO
	CW	CTV4	Monsanto Naval Radio, Portugal	FC	3.0	Portuguese Navy
			NOAA reports wx broadcasts at 0555, 0800, 1155, 1755, 2000 & 2355			
	FAX	CTV4	Monsanto Naval Radio, Portugal	FC	3.0	Portuguese Navy
4236.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
4236.5	CW	VFF	Frobisher Bay, NWT, Canada	FC	1.0	NOAA reports wx broadcasts on a seasonal basis--July to October
4238.0	CW	4XO	Haifa Radio, Israel	FC	2.5	
	CW	VTP	Vishakhapatnam Naval Radio, India	FC	....	Indian Navy
4239.0	CW	HAR	Budapest Naval Radio, Hungary	FC	....
4239.3	CW	SVA2	Athens Radio, Greece	FC	1.0	
4240.9	CW	DHS	Rügen Radio, GDR	FC	5.0	
4241.0	CW	SRS4	Tamatave Radio, Madagascar	FC	2.0	
	CW	LGW	Rogaland Radio, Norway	FC	5.0	
4241.4	CW	4XZ	Haifa Naval Radio, Israel	FC	....	Israel Navy
4242.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
4242.4	CW	GYA	Whitehall (London) Naval R., England	FC	1.0	British Navy
4242.5	CW	ZSD4	Durban Radio, RSA	FC	3.5	NOAA reports wx broadcasts at 0950 & 1705
4244.0	CW	PPR	Rio Radio, Rio de Janeiro, Brazil	FC	1.0	TIME SIGNALS & maritime ttc
	CW	DAL	Norddeich Radio, GFR	FC	5.0	
4245.0	CW	VIS53	Sydney Radio, Australia	FC	3.5	AMVER
	CW	UFN	Novorossiisk Radio, USSR	FC	15.0	
4246.1	CW	GYA	Whitehall (London) Naval R., England	FC	1.0	British Navy
4246.5	CW	ZRH2	Cape (Fisantekraal) Naval R., RSA	FC	5.0	RSA Navy
4247.0	CW	KPH	San Francisco Radio, CA	FC	5.0	
4247.8	FAX	GZZ2	Whitehall R. Northwood, England	FC	....	British Navy
4250.0	CW	LZW2	Varna Radio, Bulgaria	FC	1.5	
	CW	JCK	Kobe Radio, Japan	FC	1.0	
	CW	XFU	Veracruz Radio, Mexico	FC	0.5	
	CW	PCH20	Scheveningen Radio, Netherlands	FC	3.0	AMVER
	CW	ZLP2	Irirangi Naval Radio, New Zealand	FC	....	RNZ Navy
4251.0	CW	PPJ	Junçao Radio, Brazil	FC	1.0	
4251.6	CW	CKC2	Portishead Radio, England	FC	5.0	
4253.0	CW	TAH	Istanbul Naval Radio, Turkey	FC	10.0	Turkist Navy
4255.0	CW	CFH	Maritime Command R., Halifax, Canada (Canadian Navy)	FC	10.0	NOAA reports sea- sonal ice broadcasts
4255.3	CW	PZN25	Paramaribo Radio, Surinam	FC	1.0	
4256.0	CW	KLC	Galveston Radio, TX	FC	3.5	NOAA reports wx broadcasts at 0530, 1130, 1730 & 2330
4259.0	CW	HEB	Berne Radio, Switzerland	FC	5.0	
4260.0	CW	TBA2	Izmir Naval Radio, Turkey	FC	1.0	Turkist Navy
4260.2	CW	ZLO2	Irirangi Naval Radio, New Zealand	FC	10.0	RNZ Navy
4261.0	CW	ZSC45	Cape Town Radio, RSA	FC	10.0	
4262.0	CW	LPD62	Gen. Pacheco Radio, Argentina	FC	5.0	NOAA reports wx broadcasts at 0118 & 1600
	CW	SAG2	Göteborg Radio, Sweden	FC	5.0	AMVER
4263.0	CW	FFP2	Fort de France R., Martinique	FC	1.0	NOAA reports wx broadcasts at 0300, 0530 & 0930
4265.0	CW	PPL	Belém Radio, Brazil	FC	1.0	
	FAX	CCS	Santiago Naval Radio, Chile	FC	....	Chilean Navy

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
4265.0	CW	DAM	Norddeich Radio, GFR	FC	5.0	TIME SIGNALS & maritime tfc
4268.0	CW	LPD68	Gen. Pacheco Radio, Argentina	FC	5.0	AMVER
4271.0	FAX	CFH	Maritime Command R., Halifax	FC	5.0	NOAA reports sea- sonal ice brdcsts
	CW	CCV	Valparaiso Naval Radio, Chile	FC	....	Chilean Navy NOAA reports wx broadcasts at 1430 & 2030
	CW	OFJ8	Helsinki Radio, Finland	FC	5.0	
4272.5	CW	VID	Darwin Radio, Australia	FC	1.0	NOAA reports wx broadcast at 1050
4272.0	CW	GKB2	Portishead Radio, England	FC	5.0	
	CW	KFS	San Francisco Radio, CA	FC	7.5	
	CW	WPD	Tampa Radio, FL	FC	0.4	NOAA reports wx broadcasts at 1420 & 2020
4274.2	FAX	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
4275.5	CW	EAC	Cadiz (Tarifa) Radio, Spain	FC	1.0	AMVER
4276.9	CW	HKB	Barranquilla Radio, Colombia	FC	2.5	
4276.9	CW	DHJ59	Sengwarden Naval Radio, GFR	FC	0.4	GFR Navy/NATO
4277.0	CW	VHK2	Canberra (Belconnen) Radio, Australia	FC	5.0	RA Navy
	CW	ZLB2	Awarua Radio, New Zealand	FC	5.0	AMVER
4278.0	CW	CTP	Oeiras Naval Radio, Portugal	FC	....	Port. Navy/NATO
4279.2	CW	PBC3	Goeree Naval Radio, Netherlands	FC	1.0	Dutch Navy
4280.0	CW	VHP	Canberra (Belconnen) Radio, Australia	FC	....	RA Navy (aka VIX)
	CW	SXA	Spata Attikis Naval Radio, Greece	FC	....	Greek Navy/NATO
	CW	IDQ2	Rome Naval Radio, Italy	FC	5.0	Italian Navy
			NOAA reports wx broadcasts at 0500, 0830, 1800 & 2100			
	CW	PJK3	Suffisant Dorp R., Netherlands Antilles	FC	1.0	Dutch Navy
4283.0	CW	DHJ59	Sengwarden Naval Radio, GFR	FC	....	GFR Navy/NATO
	CW	ZSJ3	Cape (Silvermine) Naval Radio, RSA	FC	5.0	RSA Navy/AMVER
4283.2	CW	XSV	Tianjin Radio, PRC	FC	1.0	
4285.0	CW	VCS	Halifax CG Radio, Canada	FC	1.0	AMVER
4286.0	CW	VIX2	Master Station Canberra, Australia	FC	5.0	NOAA reports wx broadcasts at 0130, 0530, 0930, 1330 & 2130
	CW	GKA2	Portishead Radio, England	FC	5.0	NOAA reports wx broadcast at 2130
	CW	VWC	Calcutta, India	FC	2.5	TIME SIGNALS & NOAA reports wx broadcast at 1618 & tfc
4287.0	CW	SLUE	Oerlogsberga, Sweden	FC	0.2	
4289.0	CW	PWZ	Rio de Janeiro Radio, Brazil	FC	5.0	BN/USN
	CW	TFA4	Reykjavik Radio, Iceland	FC	1.5	
4290.0	CW	DZO	Manila Radio, Philippines	FC	5.0	NOAA reports wx broadcasts at 1030 & 2330
4291.0	CW	ZSC46	Cape Town Radio, RSA	FC	10.0	NOAA reports wx broadcasts at 0930 & 1730
4291.9	CW	CUB28	Funchal, Madeira Islands	FC	5.0	
4292.0	CW	IAR24	Rome P.T. Radio, Italy	FC	5.0	NOAA reports wx broadcasts at 0050, 0700, 1250 & 1900
4292.1	CW	CUL4	Lisbon Radio, Portugal	FC	5.0	
4292.5	CW	OMP2	Prague Radio Czechoslovakia	FC	1.0	
4293.9	CW	SXA34	Spata Attikis Naval Radio, Greece	FC	....	Greek Navy/NATO
4294.0	CW	WNU	Slidell Radio, LA	FC	2.0	
	CW	DZG	Manila Radio, Philippines	FC	5.0	
4295.0	CW	6VA3	Dakar Radio, Senegal	FC	4.0	(frequently uses 6WW callsign)
4297.8	CW	PPO	Olinda Radio, Brazil	FC	1.0	
4298.0	CW	CCV	Valparaiso Naval Radio, Chile	FC	....	Chilean Navy/TIME SIGNALS/Tfc
	CW	FJA41	Mahina Radio, Tahiti	FC	1.0	
	CW	JMC2	Tokyo Radio, Japan	FC	4.0	NOAA reports wx broadcasts at 0318, 0918, 1518 & 2118
4299.5	CW	SAB2	Göteborg Radio, Sweden	FC	5.0	
4300.0	USB	....	numerous	FCL/MS	....	Canadian fishing in North Atlantic Ocean
4300.2	CW	GVA	Whitehall (London) Naval R., England	FC	....	British Navy aka GLO20, GLP & GYC2/4
4302.0	CW	A9M	Bahrain Radio, Bahrain	FC	2.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
4303.0	CW	OXZ2	Lyngby Radio, Denmark	FC	10.0	
4304.0	CW	VHR2	Darwin (Coonawarra) R., Australia	FC	....	RA Navy
4305.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
4306.0	CW	SPE2	Szczecin Radio, Poland	FC	10.0	
4307.0	CW	CKN	Vancouver Forces Radio, Canada	FC	10.0	NOAA reports wx broadcasts at 0000, 0430 & 1330
4308.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in EE
4308.2	CW	DAN	Norddeich Radio, GFR	FC	5.0	
4310.0	CW	MTI	Plymouth Naval Radio, England	FC	1.0	British Navy
	CW	WNU	Slidell Radio, LA	FC	2.0	NOAA reports wx broadcasts at 0430 & 1630
4311.3	CW	EBA	Madrid Radionaval Radio, Spain	FC	0.5	
4312.0	CW	OSN44	Oostende Naval Radio, Belgium	FC	1.0	Belgium Navy
	CW	FUG	La Regine (Castelnaudary), France	FC	....	French Navy
4313.0	CW	NPM	Honolulu Naval Radio, HI	FC	10.0	USN
	CW	9VG33	Singapore Radio, Singapore	FC	3.0	
4314.0	CW	DZN	Manila (Navotas) Radio, Philippines	FC	5.0	NOAA reports wx broadcasts at 0200 & 1400
4316.0	FAX	JJC	Tokyo, Japan	FC	5.0	Press & NTM
	CW	WLC	Rogers City, MI	FC	0.3	
4317.8	CW	ZSC33	Cape Town Radio, RSA	FC	10.0	
4319.0	CW	SPI2	Gdynia Radio, Poland	FC	10.0	
4320.0	CW	IAR4	Rome P.T. Radio, Italy	FC	5.0	NOAA reports wx broadcast at 0500
4321.0	CW	GYA	Whitehall (London) Naval R., England	FC	5.0	British Navy
4322.0	CW	9VG54	Singapore Radio, Singapore	FC	3.0	NOAA reports wx broadcasts at 0120 & 1320
	CW	WPA	Port Arthur, TX	FC	3.0	
4323.6	CW	VIE	Esperance Radio, Australia	FC	1.0	
4324.0	CW	DZH	Manila Radio, Philippines	FC	0.3	
4325.0	USB	....	numerous, in the USA	FX	....	CAP
	CW	LFW	Rogaland Radio, Norway	FC	5.0	AMVER
4325.1	CW	AQP1	Karachi Naval Radio, Pakistan	FC	5.0	Pakistan Navy
4328.0	CW	FFL2	St. Lys Radio, France	FC	5.0	
	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
	CW	DZM	Manila Radio, Philippines	FC	5.0	
4330.0	FAX	CCS	Santiago Naval Radio, Chile	FC	....	Chilean Navy
4331.0	CW	WCC	Chatham Radio, MA	FC	10.0	UPI press at 0300
4332.5	CW	JCK	Kobe Radio, Japan	FC	1.0	
4334.0	CW	LSA2	Boca Radio, Argentina	FC	2.0	
	CW	PJC	Curaçao Radio, Netherlands Antilles	FC	2.5	NOAA reports wx broadcast at 2300
4335.6	CW	9MB2	Penang Radio, Malaysia	FC	MMMM	
4336.0	CW	GKK2	Portishead Radio, England	FC	5.0	
4337.0	CW	SPA2	Gdynia Radio, Poland	FC	10.0	
4339.4	CW	VIC	Carnarvon Radio, Australia	FC	1.0	
4340.1	CW	XSQ4	Guangzhou Radio, PRC	FC	1.6	
	CW	GYQ	Portsmouth Naval Radio, England	FC	5.0	British Navy
4342.0	CW	XUK4	Kompong Som-Ville Radio, Kampuchea	FC	0.3	
4342.5	CW	IRM2	C.I.R.M., Rome, Italy	FC	....	AMVER/Medico
4342.6	CW	WSL	Amagansett Radio, NY	FC	10.0	
4343.0	CW	XSL	Fuzhou Radio, PRC	FC	0.4	
	CW	SVB2	Athens Radio, Greece	FC	1.0	
4344.1	FAX	NMC	San Francisco CG Radio, CA	FC	2.0	USCG/Meteo wx prognosis
4344.5	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
4346.0	CW	YUR	Rijeka Radio, Yugoslavia	FC	6.0	
	CW	WMH	Baltimore Radio, MD	FC	0.75	NOAA reports wx broadcasts at 0130, 1330, 1600 & 1930
	CW	NMC	San Francisco CG Radio, CA	FC	4.0	USCG NOAA reports wx broadcast at 0630
4349.0	CW	JCS	Choshi Radio, Japan	FC	3.0	
	CW	STQ	Seychelles Radio, Seychelles	FC	1.0	
	CW	EAD	Aranjuez Radio, Spain	FC	3.5	
4350.0	CW	9VG74	Singapore Radio, Singapore	FC	10.0	(Also RTTY)
4350.4	CW	GKE2	Portishead Radio, England	FC	5.0	(Also RTTY)

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
4350.5	CW	IRM2	C.I.R.M., Rome, Italy	FC	....	Medico
4352.2	CW	ZRQ2	Simonstown Naval Radio, RSA	FC	....	RSA Navy
<u>Coast Stations USB Duplex</u>						
4357.4	USB	SAG	Göteborg Radio, Sweden	FC	5.0	CH#401 (4063.0)
	USB	KMI	San Francisco Radio, CA	FC	10.0	" "
NOAA reports wx broadcasts at 0000, 0600 & 1500						
4358.0	A2/CW	C9C4	Maputo Naval Station, Mozambique	FX	3.0	TIME SIGNALS
4360.5	USB					CH#402 (4066.1)
4363.6	USB	CFH	Maritime Command R., Halifax	FC	10.0	CH#403 (4069.2)
			Canada (Canadian Navy)			
	USB	VFC	Cambridge Bay CG Radio, Canada	FC	1.0	" "
	USB	WOM	Miami Radio, FL	FC	10.0	" "
NOAA reports wx broadcast at 1230						
4365.0	FAX	....	Tashkent meteo, USSR	FX	....
4366.7	USB	....	numerous in Alaska	FCL	....	CH#404 (4072.3)
	USB	PPL	Belem Radio, Brazil	FC	1.0	" "
	USB	FFL21	St. Lys Radio, France	FC	10.0	" "
	USB	KGN	Delcambre, LA	FC	0.8	" "
4369.8	USB	....	numerous in Alaska	FCL	....	CH#405 (4075.4)
	USB	FFL23	St. Lys Radio, France	FC	10.0	" "
	USB	PCG21	Scheveningen Radio, Netherlands	FC	10.0	" "
	USB	9VG60	Singapore Radio, Singapore	FC	10.0	" "
	USB	ZSC25	Cape Town Radio, RSA	FC	5.0	" "
	USB	WAK	New Orleans, LA	FC	0.8	" "
4372.9	USB	....	several, mostly east coast USA	FX	....	USAF/USN
4373.0	USB	GTK26	Portishead Radio, England	FC	10.0	CH#406 (4078.5)
	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
4376.0	USB	VAP	Churchill CG Radio, Canada	FC	1.0	CH#407 (4081.6)
	USB	VAW	Killinek CG Radio, Canada	FC	1.0	" "
	USB	VFF	Probishier Bay CG Radio, Canada	FC	5.0	" "
NOAA reports wx broadcasts at 0140, 1040, 1340 & 2240						
	USB	VFR	Resolute Bay CG Radio, Canada	FC	1.0	" "
	USB	CFU	Coral Harbor CG Radio, Canada	FC	1.0	" "
	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
	USB	LGN4	Rogaland Radio, Norway	FC	10.0	" "
	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
	USB	ZSD37	Durban Radio, RSA	FC	5.0	" "
4379.1	USB	VFZ	Goose Bay CG Radio, Canada	FC	1.0	CH#408 (4084.7)
	USB	HEB14	Berne Radio, Switzerland	FC	10.0	" "
	USB	....	Rijeka Radio, Yugoslavia	FC	7.5	" "
4382.2	USB	LGN5	Rogaland Radio, Norway	FC	10.0	CH#409 (4087.8)
	USB	WBL	Buffalo, NY	FC	0.8	" "
	USB	WLC	Rogers City, MI	FC	0.8	" "
	USB	WMI	Lorain, OH	FC	0.8	" "
4385.3	USB	WOO	Ocean Gate Radio, NJ	FC	10.0	CH#410 (4090.9)
NOAA reports wx broadcasts at 0100, 1300 & 1900						
4388.4	USB	WOO	Ocean Gate Radio, NJ	FC	10.0	CH#411 (4094.0)
4391.5	USB	IAR	Rome Radio 4, Italy	FC	7.0	CH#412 (4097.1)
	USB	WOM	Miami Radio, FL	FC	10.0	" "
NOAA reports wx broadcast at 1330						
4394.6	USB	....	Naval Radio Horta, Azores	FC	2.5	CH#413 (4100.2)
4397.7	USB	....	numerous in Alaska	FCL	....	CH#414 (4103.3)
	USB	WLO	Mobile Radio, AL	FC	10.0	" "
NOAA reports wx broadcasts at 0500, 1100, 1700 & 2300						
4400.8	USB					CH#415 (4106.4)
4403.9	USB	....	numerous in Alaska	FCL	....	CH#416 (4109.5)
	USB	FFL22	St. Lys Radio, France	FC	10.0	" "
	USB	KMI	San Francisco Radio, CA	FC	10.0	" "
	USB	WOO	Ocean Gate Radio, NJ	FC	10.0	" "
NOAA reports wx broadcasts at 0200, 1400 & 2000						
4407.0	USB	VIS	Sydney Radio, Australia	FC	5.0	CH#417 (4112.6)
	USB	P2R	Rabaul Radio, Papua New Guinea	FC	1.0	" "
NOAA reports wx broadcasts at 0233 & 2348						
	USB	KMI	San Francisco Radio, CA	FC	10.0	" "

Coast Stations USB Duplex

kHz	Mode	Call	Location	Service	kW	Remarks
4407.0	USB	WOM	Miami Radio, FL	FC	10.0	CH#417 (4112.6)
NOAA reports wx broadcast at 2230						
4410.7	USB	CFW	Vancouver Radio, Canada	FC	1.0	CH#418 (4115.7)
	USB	VCS	Halifax CG Radio, Canada	FC	1.0	" "
	USB	KQM	Honolulu Radio, HI	FC	1.0	" "
	USB	WBL	Buffalo Radio, NY	FC	1.0	" "
	USB	WLC	Rogers City Radio, MI	FC	1.0	" "
NOAA reports wx broadcasts at 1112 & 0512						
	USB	WMI	Lorain Radio, OH	FC	1.0	CH#418 (4115.7)
NOAA reports wx broadcasts at 1102 & 0502						
	USB	WCM	Pittsburgh, PA	FC	0.8	Inland Waterway
	USB	WFN	Jeffersonville, IN	FC	0.8	" "
	USB	WGK	St. Louis, MO	FC	0.8	" "
(The three above stations operate simplex)						
	USB	....	Frequency may also be used by USCG Coast Stations			
4413.2	USB	PPL	Belém Radio, Brazil	FC	1.0	CH#419 (4118.6)
	USB	FFL24	St. Lys Radio, France	FC	10.0	" "
	USB	WLO	Mobile Radio, AL	FC	10.0	" "
	USB	....	Frequency may also be used by USCG Coast Stations			
4416.3	USB	....	Göteborg Radio, Sweden	FC	5.0	CH#420 (4121.9)
4419.4	USB	INTERNATIONAL COAST STATION CALLING FREQUENCY				.... CH#421 (4125.0)
	USB	....	numerous, coastal waters (USA)	FC	....	CH#421 Simplex
(Used for communications oil rigs & tugs)						
4422.5	USB	....	numerous, in Alaska	FC	....	CH#422 (4128.1)
	USB	CKN	Vancouver Forces Radio, Canada	FC	10.0	" "
	USB	WOO	New York (Ocean Gate) Radio, NY	FC	10.0	" "
4425.6	USB	....	numerous, in Alaska	FC	....	CH#423 (4131.2)
	USB	WOM	Miami Radio, FL	FC	10.0	" "
NOAA reports wx broadcast at 2330						
4428.7	USB	NOX	Adak CG Radio, AK	FC	10.0	CH#424 (4134.3)/
AMVER						
	USB	VIM	Melbourne Radio, Australia	FC	1.0	CH#424 (4134.3)
NOAA reports wx broadcast at 0730						
	USB	VIP	Perth Radio, Australia	FC	1.0	CH#424 (4134.3)
	USB	VIS	Sydney Radio, Australia	FC	1.0	" "
	USB	....	Göteborg Radio, Sweden	FC	5.0	" "
	USB	HEB24	Berne Radio, Switzerland	FC	10.0	" "
	USB	NMC	San Francisco CG Radio, CA	FC	10.0	" "
AMVER NOAA reports wx broadcasts at 0430 & 1030						
	USB	NMN	Portsmouth Communications Station, VA	FC	10.0	USCG CH#424
AMVER NOAA reports wx broadcasts at 0400 & 0530 (4134.3)						
	USB	NMO	Honolulu CG Radio, HI	FC	10.0	CH#424 (4134.3)/
AMVER						
	USB	....	Also using this frequency are USCG Coast Stations: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NOJ, Kodiak, AK & NRV, Guam			
	USB	WOM	Miami Radio, FL	FC	10.0	CH#424 (4134.3)
4431.8	USB	JBO	Tokyo Radio, Japan	FC	2.5	CH#425 (4137.4)
4434.9	USB	JBO	Tokyo Radio, Japan	FC	10.0	CH#426 (4140.5)

4438.0-4650.0 kHz - Fixed & Mobile Worldwide (except AX)

4445.0	CW	NPO	San Miguel (Capas), Philippines	FC	5.0	USN/TIME SIGNALS
NOAA reports wx broadcasts at 0400, 1300, 1700 & 2300						
4447.0	USB	VAE2	Spring Island, BC, Canada	FX	....	Canadian CG
	USB	NMW39	Point Grenville, WA	FX	....	USCG
	FAX	ROF73	Novosibirsk, USSR	FX	20.0	Meteo
4464.5	USB	....	numerous, in the USA	FX	....	CAP
4467.5	USB	....	numerous, in the USA	FX	....	CAP
4474.0	CW	UJO5	Izmail Radio, USSR	FX/FC	1.0	
4475.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
	FAX	RWS40	Novosibirsk, USSR	FX	20.0	Meteo
4497.5	FAX	CKN	Vancouver Forces Radio, Canada	FX	....	Meteo (Also CW)
4500.0	A2/AM	VNG	Lyndhurst, Australia	SS	10.0	TIME SIGNALS
	CW	HGX21	Budapest, Hungary	FX	....	EMBASSY

Fixed & Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
4505.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE feeder
4507.5	USB	....	numerous, in the USA	FX	....	CAP
4516.5	SSB/CW	CTB	Angra do Heroismo, Azores	FX	....	Tfc net
	SSB/CW	CTR24	Ponta Delgada, Azores	FX	....	Tfc net
4516.7	FAX	RHB/RHO	Khabarovsk, USSR	FX	....	Meteo
4517.0	USB	....	numerous, in the USA	FX	....	USAF MARS
4525.0	CW	DIZ	Berlin (Nauen), GDR	FX	5.0	TIME SIGNALS
	CW	NMO	Honolulu CG Radio, HI	FX	10.0	USCG/TIME SIGNALS
NOAA reports wx broadcasts at 0100, 0400, 0700 & 2000						
4526.0	FAX	SUU36	Cairo, Egypt	FX	....	Meteo
4532.5	CW	LMB	Bergen Radio, Norway	FX	0.5	NOAA reports wx
broadcasts at 1305 & 2240						
4545.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in GG
4548.0	AM/CW	....	unknown (± 10 kHz)	FX	....	NUMBERS in KK
4550.0	USB	....	numerous (ICAO E-CAR)	FA/MA	....	ARINC
4557.0	USB	....	numerous, unknown	FX	....	Tfc in EE
4560.0	USB	VKG	Broken Hill, NSW, Australia	FX	0.1	Australian Police
	USB	VKI	Perth, WA, Australia	FX	0.5	" "
	USB	VL6JA	Albany, WA, Australia	FX	0.1	" "
	USB	VL6JC	Kalgoorlie, WA, Australia	FX	0.1	" "
	YMA35	YMA35	Ankara, Turkey	FX	5.0	Meteo (Also RTTY)
4562.4	CW	JWT	Stavanger Naval Radio, Norway	FX	....	Norwegian Navy
4565.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE feeder
	USB	....	Delano, CA	FX	50.0	VOA feeder
4572.0	USB	....	numerous, offshore North America	FX	....	Oil rigs & tugs
	ISB	WHZ70	Telfers Island, Panama Canal Zone	AX	10.0	
4575.0	USB	....	Aleutian LORAN NET	FX	....	USCG (Includes:
NMJ21, Adak, AK; NMJ22, Attu, AK; NOJ, Kodiak, AK; NRW, Cape						
Sarichef, AK; NRW1, Sitkinak, AK; NRW2, St. Paul, AK and NRW3,						
Pt. Clarence, AK)						
	CW	RLS74	Tbilisi, USSR	FX	1.0	Tfc net
	USB	NOG	Sault St. Marie, MI	FX	0.1	USCG
4575.2	CW	6WW	Dakar Naval Radio, Senegal	FX	....	French Navy
4577.0	USB	TUP43	Abidjan, Ivory Coast	FX	6.0	Telcom
4579.5	USB	CSP30	Funchal, Madeira Islands	FX	....	One of a net of
stations operating between Portugal, the Azores and the						
Madeira Islands with such calls as CSP30/31/35/36, etc.						
4580.0	USB	....	numerous, in the USA	FX	....	USAF MARS
4582.0	USB	....	" "	FX	....	CAP
4585.0	USB	....	" "	FX	....	CAP
4589.5	USB	DFD59	Frankfurt, GFR	FX	20.0	Telcom
4590.0	CW	FUG	La Regine (Castelnaudary), France	FX	....	French Navy
4593.6	USB	....	numerous, in the USA	FX	....	USAF MARS
4597.2	USB	TUP45	Abidjan, Ivory Coast	FX	2.0	Telcom
4601.4	USB	VCA294	unknown	FCL	....	To fishing fleet
	USB	VCA322	Quirpon, Nfld., Canada	FCL	0.1	"
	USB	VCA737	Battle Harbor, Nfld, Canada	FCL	0.1	"
	USB	VCA744	Cape St. Francis, Nfld, Canada	FCL	0.1	"
4602.5	USB	....	numerous	FX	....	CAP
4604.0	USB	U.S.	Defense Civil Preparedness Agency Working Frequency			
4610.0	FAX	GFA22	Bracknell, England	FX	0.5	Meteo
4615.2	CW	IDR2	Rome Naval Radio, Italy	FX	1.0	Italian Navy
4622.9	CW	NAM	Norfolk Naval Radio, VA	FX	10.0	USN
4623.0	CW	NGR	Nea Makri, Greece	FX	3.5	USN
NOAA reports wx broadcasts at 0030, 0500, 0630, 1230 & 1700						
4626.1	CW	KRH50	London, England	FX	....	USA EMBASSY
4626.8	USB	....	numerous, in the USA	FX	....	CAP
4632.5	CW	DHA33	Weisbaden, GFR	FX	2.0	INTERPOL
	CW	SHX	Stockholm, Sweden	FX	1.5	INTERPOL
One of the principal European INTERPOL frequencies						
4634.6	USB	....	numerous, offshore North America	FX	....	Oil rigs & tugs
4635.0	ISB	....	Singapore	AX/FX	....
4637.4	USB	....	numerous, offshore North America	FX	....	Oil rigs & tugs
4640.0	CW	CSE5	Monsanto Naval Radio, Portugal	FA	....	Naval aviation
4641.4	CW	YBI	Bengkalis, Indonesia	FX	....
4642.5	CW	CMA7	Havana, Cuba	FX	0.4	

Fixed & Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
4642.5	FAX	LM034	Olso, Norway	FX	0.5	Meteo
<u>4650.0-4750.0 kHz - Aeronautical Mobile</u>						
4654.0	AM	....	Khabarovsk, USSR	FA	....	VOLMET in RR
4656.0	AM	....	Moscow (Sheremetyevo), USSR	FA	....	VOLMET in FF/RR
4664.0	AM	....	Irkutsk, USSR	FA	....	VOLMET in RR
4665.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
4668.0	CW/USB	KJY74	Miami "Monitor", FL	FA	....	NOAA
4684.0	AM	....	Novosibirsk (Tolmachevo), USSR	FA	....	VOLMET in RR
4689.0	AM/USB	....	numerous (ICAO EUR-A)	FA/MA	....	Airports & in-flight covering all of Europe, Middle East & Mediterrean
4696.0	AM/USB	....	numerous (ICAO NW-SAM & SW-SAM)	FA/MA	....	Airports & in-flight covering west coast of South America
4700.0	USB	....	numerous	FA/MA	....	USN Aviation
4704.0	CW	CHR	Trenton Military, Ont., Canada	FA	1.0	RCAF
	CW	CJX	St. Johns Military, Nfld., Canada	FA	1.0	RCAF
	CW	DHM94	Lahr Military, GFR	FA	1.0	RCAF
	CW	VXA	Edmonton Military, Alta., Canada	FA	1.0	RCAF
4706.8	USB	....	numerous	FA	....	USN
4710.0	AM	....	Kuybyshev (Kurumoch), USSR	GS	....	VOLMET in RR
4711.0	USB	....	numerous	FA	....	NOAA/USAF
4715.0	CW	....	unknown (± 5 kHz)	RC	....	Frequently heard in southwest USA
4720.0	AM	....	Baku, USSR	FA	....	VOLMET in RR
4721.8	USB	MVU	West Drayton (London Tfc CC), England	FA	5.0	RAF (Frequently heard with wx broadcasts)
4724.5	AM	....	Voronezh, USSR	FA	....	VOLMET in RR
4725.0	USB	....	numerous	FA/MA	....	USAF (Many code names for Air Bases--sometimes called SAC "Victor" frequency)
4732.0	USB	....	numerous	FA/MA	....	USAF
4737.0	USB	....	numerous	FA/MA	....	USN Aviation
4739.0	AM	....	East Berlin (Interflug), GDR	FA	....	VOLMET in GG
4741.0	USB	MKL	Pitreavie Castle, Scotland	FA	....	RAF
4746.0	USB	....	numerous	FA	....	USAF (Heard here Lajes Airways & MacDill AFB)
<u>4750.0-4850.0 kHz - Fixed & Tropical Band Broadcasting</u>						
4753.0	CW	FDE7	Cambrai, France	AX	....	French Air Force
	CW	FDE8	Doullens, France	AX	....	French Air Force
4755.0	USB			FX	....
4762.0	CW	IDR2	Rome Naval Radio, Italy	FX	1.0	Italian Navy
4763.0	AM/USB	....	numerous	FX	....	Italian Police
4770.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in GG
4773.0	CW	DHJ48	Ramstein AB, GFR	FX	....	GAF/USAF
4777.5	FAX	IMB31	Rome, Italy	FX	....	Meteo
4780.0	USB	VKC	Melbourne, Australia	FX	0.1	Police
	USB	....	numerous, in the USA	FX	....	National Guard
	USB		U.S. Defense Civil Preparedness Agency Working Frequency			
4782.0	FAX	GFE21	Bracknell, England	FX	5.0	Meteo & Ice
4793.0	FAX	KWAF	Washington, DC	FX	3.0	Meteo
4797.0	ISB	CSY	Santa Maria, Azores	FX	10.0	Aero Tfc
4800.0	CW	XDP	Mexico City (Chapultepec), Mexico	FX	1.0	TIME SIGNALS
4802.5	FAX	NPM	Lualualei Naval Radio, HI	FX	15.0	USN/Meteo
4805.0	USB	6VA415	Dakar, Senegal	FX	2.0	Telcom
4813.0	FAX	LZA8	Sofia, Bulgaria	FX	....	Meteo
4832.0	CW	FCI27	St. Avold, France	FX	....	French Army
	CW	FCI33	Commercy, France	FX	....	" "
	CW	FCI38	Luñeville, France	FX	....	" "
4835.0	USB	....	numerous	FX	....	Italian Army
4837.5	CW	DHA33	Wiesbaden, GFR	FX	5.0	INTERPOL
	CW	OEQ35	Vienna, Austria	FX	1.0	INTERPOL
4839.1	CW	CSF36	Punta Delgada, Azores	FX	1.0	Portuguese A.F.
	CW	CSF37	Funchal, Madeira Islands	FX	3.0	" "
	CW	CSF46	Horta, Azores	FX	0.5	" "

Fixed & Tropical Broadcasting

kHz	Mode	Call	Location	Service	kW	Remarks
4840.0	CW	OWD	Vaerloese, Denmark	FX	0.4	Danish Air Force
	CW	DBT67	Berlin, GDR	FX	5.0	MFA/ZID

4850.0-4995.0 kHz - Fixed, Mobile & Tropical Band Broadcasting

4860.0	ISB	JBA44	Tokyo, Japan	FX	10.0	Telcom
	USB	....	numerous	FX	....
4865.0	CW	FDC9	Nancy, France	FX	0.5	French Air Force
4872.0	USB	....	several, in the USA	FX	....	NORAD backup
4881.0	USB	DFD89	Frankfurt, GFR	FX	20.0	DW feeder
4883.0	USB	....	numerous	FCL/MS	....	Canadian fishing
4886.0	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY
4888.4	USB	....	numerous	FCL/MS	....	Canadian fishing
4902.1	FAX	JMB40	Tokyo (Fusa), Japan	FX	0.5	Meteo
4910.0	CW	KWS78	Nicosia, Cyprus	FX	....	USA EMBASSY
4921.5	CW	FDY	Villacoublay, France	FX	1.0	French Air Force
4932.0	CW	DHJ49	Bonn, GFR	FX	....	Min. of Defense
4948.0	CW	IEB31	Genoa, Italy	FX	....	Italian Police
4950.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
4955.0	CW	NPN	Barrigada (Agana NAS), Guam	FX	5.0	USN, TIME SIGNALS
NOAA reports wx broadcasts at 0400, 1300, 1700 & 2300						
4960.5	CW	CSY	Santa Maria, Azores	AX	0.6	Aero Tfc
4970.0	CW	FIS221	Dijon, France	FX	0.4	French Police
	CW	FSS271	Macon, France	FX	....	French Police
4975.0	FAX	NPN	Barrigada (Agana NAS), Guam	FX	15.0	USN, Meteo
	FAX	NAM	Norfolk Naval Radio, VA	FX	1.0	USN, Meteo
4992.0	USB	....	numerous	FCL/MS	....	Canadian Fishing
4995.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in GG
4996.0	CW	RWM	Moscow, USSR	SS	5.0	TIME SIGNALS
5000.0	A2	LOL	Buenos Aires, Argentina	SS	2.0	TIME SIGNALS
	A2	PPE	Rio de Janeiro, Brazil	SS	1.0	" "
	CW	BPV2	Shanghai, PRC	SS	....	" "
	A2	HD210A	Guayaquil, Ecuador	SS	....	" "
	A2	MSF	Teddington, England	SS	0.5	" "
	A2	WWVH	Kauai, HI	SS	10.0	" "
	A2	ATA	New Delhi, India	SS	8.0	" "
	CW	IAM	Rome, Italy	SS	1.0	" "
	A2	IBF	Turin, Italy	SS	5.0	" "
	A2	JJY	Nazaki, Japan	SS	2.0	" "
	A2	ZUO	Pretoria, RSA	SS	4.0	" "
	A2	BSF	Chung-Li, Taiwan	SS	5.0	" "
	CW	RZH	Tashkent, USSR	SS	1.0	" "
	A2	WWV	Ft. Collins, CO	SS	10.0	" "
5004.0	A2	....	Irkutsk, USSR	SS	1.0	TIME SIGNALS

5005.0-5060.0 kHz - Fixed & Tropical Band Broadcasting

5010.0	CW	FDY3	Orleans, France	FX	0.5	French Air Force
	CW	OVC	Groennedal, Greenland	FX	1.2	Danish Marine
5016.9	CW	CTV25	Monsanto Naval Radio, Portugal	FX	3.0	Portuguese Navy
5021.0	CW	FDE7	Cambrai, France	FX	....	French Air Force
5025.0	USB	....	very numerous, but unknown country	FX	....	Net in SS
5025.3	ISB	MKD	Akrotiri, Cyprus	FX	10.0	RAF
5027.0	LSB	....	Riyadh, Saudi Arabia	FX	....	Feeder in AA
5037.5	FAX	KVM70	Honolulu (International), HI	FX	10.0	Meteo
5052.0	CW	AOK	Rota (Moron AB), Spain	FX	5.0	USN
5052.1	ISB	....	Singapore, Singapore	FX	....	Telcom
5056.8	USB	....	numerous	FCL/MS	....	Canadian Fishing
5058.0	CW	COZ67	unknown, but in Cuba	FX	....	Russian Navy

5060.0-5250.0 kHz - Fixed Service (Worldwide)

5060.0	CW	ZIK20	Belize City, Belize	FX	0.5	
	USB	....	numerous	FCL/MS	....	Canadian Fishing
	CW	D4B62	Sal Radio, Cape Verde Islands	AX	1.5	Aero Tfc

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
5063.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (Includes: NMO, Lualualei, HI; NRO, Johnston Island; NRO2, Kauai Island, HI; NRO4, French Frigate Shoals, HI; NRO5, Upolu Point, HI and NRO7, Kure Island--Ocean Island--HI)
5063.6	USB	....	Northwest Pacific Loran Net	FX	....	USCG (Includes: NRT, Totsuka, Japan; NRT2, Gesashi, Okinawa; NRT3, Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6, Marcus Is. & NRV7, Yap Is.)
5067.0	ISB	9VF6	Singapore, Singapore	FX	8.0	Tfc
5068.8	CW	CSF461	Angra do Heroismo, Azores	FX	0.5	Port. A.F.
	CW	CSF462	Horta, Azores	FX	0.5	Port. A.F.
5080.0	USB	....	Barking Sands, HI	FX	....	Secondary fre- quency for Pacific Missile Firing Range (may be inactive)
5089.8	USB	....	several, in Argentina	FX	....	Tfc in SS
5090.0	FAX	....	Tashkent, USSR	FX	....	Meteo
5093.0	FAX	LZJ2	Sofia, Bulgaria	FX	....	Meteo
5097.0	CW	CFH	Maritime Command R., Halifax Canada (Canadian Navy)	FX	10.0	NAWS/Tfc
5100.0	FAX	AXM32	Canberra, Australia	FX	10.0	Meteo (also RTTY)
5110.0	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY
	FX	....	Khabarovsk, USSR	FX	....	Meteo
5122.5	CW	HKG	Barranquilla, Colombia	AX	0.4	Tfc Aero
	CW	KIM27	Miami, FL	AX	1.0	" "
	CW	PVB	Salvador, Brazil	AX	....	" "
	CW	PVJ	Rio de Janeiro, Brazil	AX	....	" "
	CW	PVM	Manaus, Brazil	AX	1.0	" "
	CW	PVQ	Belem, Brazil	AX	0.4	" "
	CW	PVR	Recife, Brazil	AX	0.4	" "
	CW	YXA	Maiquetia, Venezuela	AX	0.5	" "
	CW	ZZB	Brasilia, Brazil	AX	1.0	" "
				AX		(Partial listing only)
5125.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
5127.0	FAX	SUU	Cairo, Egypt.	FX	....	Meteo
	FAX	5YE4	Nairobi, Kenya	FX	10.0	Meteo
5135.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
5145.0	USB	VJN	Cairns, Qld., Australia	FX	0.3	Outpost
5150.3	FAX	RV073	Moscow, USSR	FX	20.0	Meteo
5163.1	ISB	WHZ70	Telfers Island, Panama Canal Zone	FX	5.0	
5167.0	CW	NRK	Reykjavik, Iceland	FX	2.5	USN NOAA reports wx broadcasts at 0030, 1230 & 1900--ice at 0500 & 1700
5167.8	CW	NST	Thurso, Scotland	FX	....	USN tfc
5170.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in GG
5170.8	USB	....	unknown, but in Colombia	FX	....	Tfc in SS
5172.5	FAX	SMA5	Norrköping, Sweden	FX	2.5	Meteo
5195.0	ISB	DFE25	Frankfurt, GFR	FX	20.0	Telcom
5196.0	CW	COZ67	unknown, but in Cuba	FX	....	Russian Navy
5200.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in GG
5206.7	FAX	NGR	Nea Makri, Greece	FX	20.0	USN Meteo
5211.0	USB		U.S. Defense Civil Preparedness Agency Working Frequency			(Also RTTY)
5215.0	USB	CFY82	Whitehorse, Y.T., Canada	FX	0.4	Telcom Net
5222.4	USB	MLQ	Croughton, England	AX	4.0	RAF Tfc
5226.5	FAX	....	Tashkent, USSR	FX	....	Meteo
5238.0	CW	....	unknown, but in Mexico	FX	....	Tfc in SS

5250.0-5480.0 kHz - Fixed/Land & Aeronautical Mobile

5250.0	USB	....	Peking, PRC	FX	....	R. Peking Feeder
	CW	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
5255.0	USB	RYX	Moscow, USSR	FX	15.0	R. Moscow Feeder
5255.8	CW/USB	CSF21	Porto, Portugal	FX	0.2	Portuguese A.F.
	CW/USB	CSF415	Chaves, Portugal	FX	0.2	Portuguese A.F.
5258.0	CW	CMU967	unknown, but in Cuba	FX	....	Russian Navy
5263.0	CW	CNO	Casablanca, Morocco	FX	0.5	NOAA reports wx broadcasts at 0835 & 1935
	CW	XVS	Ho Chi Minh-Ville, Viet Nam	FX	....	NOAA reports wx broadcasts at 0420 & 1020

Fixed/Land & Aeronautical Mobile

kHz	Mode	Call	Location	Service	kW	Remarks
5265.0	CW	5VA	Lomé, Togo	FX	0.2	NOAA reports wx broadcast at 0835
5269.8	USB	....	numerous	FX	....	Tfc in EE
5271.0	CW	KWS78	Nicosia, Cyprus	FX	....	USA EMBASSY
5274.0	CW	FDG	Bordeaux, France	AX	....	French Air Force
5280.8	USB	FMW23	Marseille, France	FX	0.2	
5281.5	USB	VCA218	unknown, but in Canada	FCL/MS	....	Canadian Fishing
	USB	VCC43	Dartmouth, N.S., Canada	FCL/MS	0.3	Canadian Fishing
(Numerous others--also used for Telcom & FAX)						
5284.5	FAX	....	Tashkent, USSR	FX	....	Meteo
5285.0	AM	....	unknown	FX	....	NUMBERS in GG
5290.0	ISB	REN35	Moscow, USSR	FX	20.0	R. Moscow Feeder
5295.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
5297.6	USB	FPF29	Paris (Le Vernet), France	FX	20.0	Telcom
5305.5	CW	FSB	Paris (St. Martin), France	FX	3.0	INTERPOL
	CW	OEQ37	Vienna, Austria	FX	1.0	INTERPOL
5315.0	USB	....	numerous, in western Canada	FX	....	Telcom (Net of telephone stations with prefix of "XOU")
	USB	3XF23	Conakry, Guinea	FX	2.0	Telcom
	USB	HZP531	Jiddah, Saudi Arabia	FX	2.5	Telcom
5315.5	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list stations see 5063.6)
5317.0	USB	....	Aleutian LORAN Net	FX	....	USCG (Includes: NMJ21, Adak; NMJ22, Attu; NOJ, Kodiak; NRW, Cape Sarichef; NRW1, Sitkinak; NRW2, St. Paul and NRW3, Point Clarence--all AK)
5320.0	USB	....	Marianas LORAN Net	FX	....	USCG (Includes: NRV, Barrigada, Guam; NRV2, Saipan Is.; NRV4, Anguar, Palau Islands and NRV7, Yap Island)
	CW	NIK	Boston CG Radio, MA	FX	....	USCG NOAA reports seasonal ice broadcast at 0018
5345.8	USB	....	numerous, in the USA	FX	....	CAP
5349.5	CW	FDC9	Nancy, France	AX	0.5	French Air Force
5350.0	USB	....	numerous (around Halifax)	FCL/MS	....	Canadian Fishing
	CW	OZM	Godhavn, Greenland	FX	....	NOAA reports wx broadcast at 1950
5355.0	FAX	RND77	Moscow, USSR	FX	15.0	Meteo
5357.0	ISB	CUA20	Lisbon (Alfragide), Portugal	FX	5.0	Telcom
5362.0	CW	OFB35	Helsinki, Finland	FX	5.0	NOAA reports seasonal ice broadcast at 2118
5374.7	USB	....	numerous (Belgium & North Sea)	FCL	....	Tfc to Oil Rigs
5382.0	CW	NAM	Norfolk Naval Radio, VA	FX	1.0	USN tfc
5386.5	USB	ZIK22	Belize City, Belize	FX	1.0	Telcom
5390.0	USB	CGD206	Alma, Que., Canada	FX	1.0	Telcom
	USB	CGD828	Eastmain, Que., Canada	FX	0.1	Telcom
(plus others in telcom net)						
	LSB	....	Riyadh, Saudi Arabia	FX	....	Feeder in AA
5392.4	CW	LBJ5	Harstad Naval Radio, Norway	FX	2.0	Norwegian Navy (also RTTY)
5394.0	CW	FDY5	Orleans, France	AX	0.5	French Air Force
5394.8	USB	....	numerous in western Canada	FX	....	Telcom
5398.5	USB	5TN58	Nouakchott, Mauritania	FX	6.0	Telcom
5400.0	USB	....	numerous in Mexico	FX	....	Net
5402.0	ISB	CSY31	Santa Maria, Azores	AX	10.0	Tfc to WSY70
5405.0	FAX	JMJ2	Tokyo (Usui), Japan	FX	5.0	Meteo
5405.1	ISB	MKG	London (Stanbridge), England	FX	3.5	
5418.5	LSB	FTF42	Paris (St. Assise), France	FX	20.0	
5425.9	CW	KRH50	London, England	FX	....	USA EMBASSY
5427.0	CW	LBA2	Stavanger Naval Radio, Norway	FX	....	Norwegian Navy
5430.0	CW	BPV1	Shanghai, PRC	FX	....	TIME SIGNALS
5435.0	USB	DBE43	Berlin, GFR	FX	20.0	Telcom
5447.0	ISB	CS220	Lisbon, Portugal	FX	10.0	Tfc
	USB	....	Shanwick (Prestwick), England	AX	3.5	Tfc to CSY
5455.0	CW/ISB	CUA22	Lisbon (Alfragide), Portugal	FX	3.0	Tfc
	ISB	RBK74	Moscow, USSR	FX	20.0	R. Moscow Feeder
5457.0	FAX	JKC	Tokyo (Kemigawa), Japan	FX	5.0	Meteo
5470.0	LSB	RKU29	Moscow, USSR	FX	80.0	R. Moscow Feeder

Fixed/Land & Aeronautical Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
5474.0	CW	3XC255	Nzerekore, Guinea	AX	0.1	Tfc
5475.0	CW	HGX21	Budapest, Hungary	FX	....	EMBASSY (also RTTY)
	CW	KUQ	Pago Pago, American Samoa	FC	0.1	AMVER
<u>5480.0-5730.0 kHz - Aeronautical Mobile (Worldwide)</u>						
5484.0	AM/A3H	....	numerous (ICAO AFI-3 & AFI-5, plus E-CAR)	FA/MA	....	Airports & in-flight covering eastern Africa, Arabian Sea, western Indian Ocean, Middle East and eastern Caribbean--to New York
5498.0	AM	....	numerous in Papua New Guinea	FA	0.4	Tfc Net
5500.0	USB	....	numerous	FX	....	CAP
5505.0	AM/A3H	....	numerous (ICAO AFI-3, AFI-4 & CWP-1)	FA/MA	....	Airports & in-flight covering most of Africa, Arabian Sea and western Pacific--Honolulu to Ulan Bator
	AM	....	Brazzaville Aeradio, Congo	FA	....	VOLMET in FF
5519.0	AM/A3H	....	numerous (ICAO AFI-2 & AFI-4)	FA/MA	....	Airports & in-flight covering Mediterranean Sea to South Africa
	A3H	KIS70	Anchorage Aeradio, AK	FA	....	VOLMET
	AM	....	Hong Kong (Kai Tak Aeradio)	FA	1.5	TIME SIGNALS & VOLMET
	A3H	KVM70	Honolulu (International), HI	FA	....	VOLMET
	A3H	JMA	Narita Aeradio, Japan	FA	....	"
	A3H	KSF70	Oakland Aeradio, CA	FA	....	"
5525.0	FAX	BAF6	Peking Aeradio, PRC	FA	....	Meteo
5533.0	AM	EIP	Shannon Aeradio (Rineanna), Ireland	FA	1.5	VOLMET
5540.0	AM	....	several in Madagascar	FA	....	Tfc Net
5554.0	AM/A3H	....	numerous (ICAO CEP-5 & MID-1)	FA/MA	....	Airports & in-flight covering eastern Pacific, western USA and Middle East
5561.0	AM	....	Baghdad Aeradio, Iraq	FA	....	VOLMET
	AM	....	Bahrain Aeradio	FA	....	"
	AM	....	Cairo Aeradio, Egypt	FA	....	"
	AM	....	Istanbul Aeradio, Turkey	FA	....	"
	AM	....	Tehran Aeradio, Iran	FA	....	"
5568.0	AM/A3H	....	numerous (ICAO W-CAR)	FA/MA	....	Airports & in-flight covering Caribbean & Central America
5575.0	AM	OKL	Prague Aeradio, Czechoslovakia	FA	1.5	VOLMET
	AM	4XL	Ben Gurion Aeradio, Israel	FA	1.0	VOLMET
5582.0	AM/A3H	....	numerous (ICAO C-SAM, NE-SAM & SE-SAM)	FA/MA	..	Airports & in-flight covering virtually all of South America
5589.0	CW/AM	C7P	Ocean Station Vessel 50°N & 145°W	FA	....	(aka "PAPA")
	AM/A3H	....	numerous (ICAO NP-3 & NP-4)	FA/MA	....	Airports & in-flight covering northern Pacific Ocean & Arctic regions
	AM/A3H	International Air-to-Ground Frequency				
5603.0	AM/A3H	....	numerous (ICAO CEP-5 & MID-1)	FA/MA	....	Airports & in-flight covering Honolulu to San Francisco and all of the Middle East
5610.0	AM/A3H	....	numerous (ICAO NAT-A)	FA/MA	....	Airports & in-flight covering all of North Atlantic Ocean (aka "ALFA" net)
5624.0	AM/A3H	....	numerous (ICAO NAT-D & SEA-2)	FA/MA	....	Airports & in-flight covering North Atlantic Arctic regions & Southeast Asia
	AM/A3H	Paid in-flight Services to International Carriers				
5625.0	CW/AM	C7A	Ocean Station Vessel 62°N & 32°W	FA	....	(aka "ALFA")
	CW/AM	C7I	Ocean Station Vessel 59°N & 19°W	FA	....	(aka "INDIA")
	CW/AM	C7M	Ocean Station Vessel 66°N & 2°E	FA	....	(aka "MIKE")
5628.0	AM/A3H	....	Jiddah Aeradio, Saudi Arabia	FA	....
5631.0	AM	....	several in Papua New Guinea	FA	....	Tfc Net
5638.0	AM/A3H	....	numerous (ICAO NAT-C, SP-6 & SP-7)	FA/MA	....	Airports & in-flight covering North Atlantic & southwestern Pacific Ocean
5645.0	AM/A3H	....	numerous in the North Sea	FA/MA	....	Airports & in-flight for helicopters to oil rigs
5652.0	A3H	VFG	Gander Aeradio, Nfld., Canada	FA	1.0	VOLMET
	A3H	WSY70	New York Aeradio, NY	FA	1.5	VOLMET
5658.9	CW	OKL	Prague Aeradio, Czechoslovakia	FA	....	Tfc
5666.0	AM	....	numerous in Papua New Guinea	FA	0.4	Tfc Net
5673.0	AM/A3H	....	numerous (ICAO NAT-B, SEA-1 & SEA-3)	FA/MA	....	Airports & in-flight covering the North Atlantic and India to Australia
5680.0	AM/A3H	INTERNATIONAL FREQUENCY FOR SEARCH & RESCUE COORDINATION				

Aeronautical Mobile (Worldwide)

kHz	Mode	Call	Location	Service	kW	Remarks
5680.0	AM/A3H	....	numerous (ICAO AFI-1 & AFI-4)	FA/MA	....	Airports & in-flight covering entire western half of Africa
	USB	....	numerous (Canada, England & USA)	MA	....	Used by all military services (RCAF, RAF, USAF & USN)
5688.0	CW	MKL	Pitreavie Castle, Scotland	FA	....	RAF Tfc
	USB	AXF	"Air Force Sydney", Australia	FA/MA	0.5	RAAF Tfc
	USB	AXH	"Air Force Townsville", Australia	FA/MA	0.5	" "
	USB	AXI	"Air Force Darwin", Australia	FA/MA	0.5	" "
	USB	AXJ	"Air Force Perth", Australia	FA/MA	0.5	" "
	USB	....	"Santa Maria Control", Azores	FA/MA	....	Military Tfc
	USB	....	"Porto Radio", Portugal	FA/MA	....	" "
	USB	....	Andrews & MacDill AFB (others)	FA/MA	....	USAF
	USB	....	several along west coast USA	FA/MA	....	In-flight tests
5690.0	USB	Paid in-flight Services to International Carriers				
	USB	DHM95	Lahr Military, GFR	FA	....	RCAF/NATO
5693.0	USB	....	numerous	FA/MA	....	USCG
5694.0	AM	....	Syktyvkar, USSR	FA	....	VOLMET in RR
5695.5	CW/USB	JJG8	Atsugi Ichihar, Japan	FA	0.3	Tfc
5696.0	USB	....	numerous	FA/MA	....	USCG (CG Bases & in-flight throughout all of the USA)
5699.0	CW	LFD	Rogaland Radio, Norway	FC	2.0	
5700.0	USB	....	numerous	FA/MA	....	USAF (Many code names for Air Bases--sometimes called SAC "Quebec" frequency)
	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in GG
	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
5703.0	USB	....	numerous, throughout North America	FA/MA	....	RCAF & USAF
	AM	....	Rostov-na-Donu, USSR	FA	....	VOLMET in RR
5705.0	CW	PBV4	Valkenburg, Netherlands	FA	1.0	Tfc
5709.0	USB	....	numerous in Australia	FA/MA	0.5	RAAF Tfc (Net similar to that on 5688.0)
5710.0	USB	....	numerous	FA/MA	....	USAF
5715.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in KK
5718.0	USB	....	numerous in Canada	FA/MA	....	RCAF Tfc

5730.0-5950.0 kHz - Fixed Service (Worldwide)

5735.1	ISB	5TN22	Nouakchott, Mauritania	FX	6.0	Telcom
5737.0	CW	ONY27	Rouvery, Belgium	FX	....	Belgium Air Force
5745.0	ISB	....	Greenville, NC	FX	40.0	VOA Feeder
5748.0	CW	....	Metz, France	FX	0.5	French Air Force
5750.0	CW	SOF47	Warsaw, Poland	FX	20.0	Tfc (also RTTY)
	USB	....	unknown (±10 kHz)	FX	....	NUMBERS in GG
5755.0	FAX	AXI32	Darwin, NT., Australia	FX	5.0	Meteo
	AM	CSR22	Barcarena, Portugal	FX	3.0	
5759.0	CW	....	several in Italy	FX	....	Italian Police
5762.0	USB	SAM	Stockholm, Sweden	FX	....	EMBASSY
	USB	SAM23	Helsinki, Finland	FX	....	Swedish EMBASSY
	USB	SAM52	Tel Aviv, Israel	FX	....	Swedish EMBASSY
5765.0	CW/ISB	CUA23	Lisbon (Alfragide), Portugal	FX	3.0	Tfc
	FAX	RRRQ	Novosibirsk, USSR	FX	15.0	Meteo
	USB	....	unknown (±10 kHz)	FX	....	NUMBERS in GG
5767.0	FAX	JBK3	Tokyo (Kemigawa), Japan	FX	5.0	Meteo/News
5773.5	USB	TUP57	Abidjan, Ivory Coast	FX	6.0	Telcom
5780.0	CW	LMB5	Bergen, Norway	FX	0.5	NOAA reports wx broadcasts at 1305 & 2240
5784.1	CW	ODD78	Beirut, Lebanon	FX	2.0	
5785.5	CW	YBH	Bagansiapiapi, Indonesia	FX	0.2	
5790.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
5793.0	CW	....	Atlantic Ocean Station Vessels	FX	0.5	(Vessels C7C, C7L, C7M & C7R working Bracknell)
	CW	GFT26	Bracknell, England	FX	3.5	
	CW	"K"	unknown, probably in Pacific Ocean	RC	....	Beacon?
5800.0	CW	FDC	Metz-Frescaty, France	AX	0.5	French Air Force
	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
	FAX	YZZ1	Belgrade, Yugoslavia	FX	1.0	Meteo
5805.0	CW	FDC23	unknown, but in France	AX	....	French Air Force

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
5810.0	CW/AM	HLL	Seoul, South Korea	FX	1.5	NOAA reports wx broadcasts at 0000 & 1200
	USB	AFE70	"Cape Radio" (Cocoa), FL	FX	1.0	USAF
5811.0	CW	JWT5	Stavanger Naval Radio, Norway	FX	1.0	Norwegian Navy
5813.0	ISB	TLZ58	Bangui, Central African Empire	FX	2.0	Telcom
	A3H	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
5815.0	ISB	RV072	Moscow, USSR	FX	15.0	R. Moscow Feeder
5817.0	ISB	9VE37	Singapore	AX	2.5	
5822.0	USB	....	southern USA & Caribbean	FX	....	SAMTEC (probably now inactive)
5822.5	CW	KWL90	unknown, but in Far East	FX	....	USA EMBASSY
5828.5	CW	KIR53	Miami, FL	FX	10.0	Aero Tfc (& RTTY)
5830.0	USB	RWD52	Moscow, USSR	FX	20.0	R. Moscow Feeder
5832.0	CW	HBT85	Berne, Switzerland	FX	7.0	Tfc (mostly RTTY)
5835.0	USB	VLV	Mawson Base, Antarctica	FX	5.0	Telcom
	USB	VNJ	Casey Base, Antarctica	FX	10.0	Telcom
5844.0	ISB	8BN	Madang, Indonesia	FX	....
5845.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
5850.0	FAX	OXT	Copenhagen, Denmark	AX	....	Meteo
5851.0	FAX	JKE2	Tokyo, Japan	FX	5.0	
	USB	WEH95	New York, NY	FX	80.0	Telcom (aka WEA95)
5865.0	USB	VJN	Cairns, Qld., Australia	FX	0.3	Outpost Schooling
	USB	VJQ	Kalgoorlie, WA, Australia	FX	0.3	Outpost Schooling
5870.0	CW	NAM	Norfolk Naval Radio, VA	FX/FC	20.0	USN
	CW	NAR	Key West Naval Radio, FL	FX/FC	20.0	USN (NOAA reports wx broadcasts at 0030, 0630, 1200 & 1900. Seasonal ice broadcasts at 0500 & 1700)
5876.0	CW	DDH5/7	Pinneberg, GFR	FX	5.0	
5882.0	CW	YRR3	Bucharest, Rumania	FX	0.8	Meteo
5890.0	FAX	RBV78	Tashkent, USSR	FX	5.0	Meteo
5890.2	CW	YBX	Tandjungpinang, Indonesia	FX	0.2	
5893.0	ISB	CSY23	Santa Maria, Azores	AX	10.0	Tfc
5893.5	USB	RND72	Moscow, USSR	FX	20.0	Telcom
5898.3	CW/AM	CSR71	Porto, Portugal	FX	0.5	
5909.0	CW	BMB	Taipei, Taiwan	FC	....	NOAA reports wx broadcasts at 0400, 1000, 1600 & 2200
5915.0	CW	ZLZ20	Wellington (Himatangi), New Zealand	FC	5.0	NOAA reports wx broadcasts at 0840, 0910, 1400, 2015, 2040 & 2110
5918.5	CW	AOK	Rota (Moron AB), Spain	FX	5.0	USN (NOAA reports wx broadcasts at 0030, 0630, 1200 & 1900. Seasonal ice broadcasts at 0500 & 1700)
5941.0	CW	ZIK24	Belize City, Belize	FX	1.0	Tfc (also RTTY)
5945.0	FAX	LM05	Oslo, Norway	FX	0.5	Meteo

5950.0-6200.0 kHz - International Broadcasting (Worldwide)

5955.0	LSB	....	Dixon, CA	FX	50.0	VOA feeder
6100.0	AM	YVTO	Caracas, Venezuela	BC	1.0	TIME SIGNALS

6200.0-6525.0 kHz - Maritime Mobile (Worldwide)

6200.0	USB	....	numerous	FC/MS	....	NOAA/USCG
6209.3	USB	....	Hong Kong Radio, Hong Kong	FC/MS	....
	USB	WGK	St. Louis, MO	FC/MS	0.8	Inland Waterway
	USB	WJG	Memphis, TN	FC/MS	0.8	Inland Waterway
						(Temporary FCC Assignment)
6212.4	USB	WFN	Jeffersonville, IN	FC/MS	0.8	Inland Waterway
	USB	WGK	St. Louis, MO	FC/MS	0.8	Inland Waterway
						(Temporary FCC Assignment)
6215.5	AM/USB	....	INTERNATIONAL CALLING FREQUENCY	MS/FC		
6218.6	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	....	USCG (Includes: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak, AK & NRV, Guam)
	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Includes KDL, Houston, TX; KKP, Seattle, WA; KUY, Port Arthur, TX; KWU, Golden Meadow, LA; KZN, Miami, FL; WBQ, Bowling Green, KY; WDJ, Morgan City, LA; WDM, New Orleans, LA; WPE, Jacksonville, FL; WXF605, Atlantic City, NJ; etc.

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
6221.6	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	....	USCG (See 6218.6)
	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Includes KEH, Houma, LA; KFC, Morgan City, LA; KJV, Palm Beach, FL; KRM, Port Arthur, TX; KXE, Des Allemands, LA; KXV, Piney Point, MD; KZU, Harvey, LA; WJU, Dravoburg, PA; WKC, St. Petersburg, FL; WWB, St. Louis, MO; etc.
6283.0	FAX	RUZU	Molodezhnaya USSR Base, Antarctica	FX	....
6326.5	CW	DZJ	Manila (Bulacan) Radio, Philippines	FC	2.5	
	CW	WNU	Slidell Radio, LA	FC	3.0	
6328.0	FAX	CFH	Maritime Command Radio, Halifax, Canada (Canadian Navy)	FC	5.0	Meteo & Ice
6330.0	CW	YIR	Basrah Control, Iraq	FC	1.0	
6333.5	CW	VII	Thursday Island, Australia	FC	1.0	
	CW	VIM	Melbourne Radio, Australia	FC	1.0	NOAA reports wx broadcasts at 0948 & 2318
	CW	VIR	Rockhampton Radio, Australia	FC	1.0	
6334.5	CW	UFM3	Nevelsk-I Radio, USSR	FC	5.0	
6335.5	CW	ARL	Karachi Naval Radio, Pakistan	FC	10.0	Pakistan Navy
6336.1	CW	LZW3	Varna Radio, Bulgaria	FC	1.5	
6336.5	CW	ZRQ3	Cape (Simonstown) Naval Radio, RSA	FC	5.0	RSA Navy
6337.0	CW	CLA5	Havana (Cojimar) Radio, Cuba	FC	5.0	
	CW	WCC	Chatham Radio, MA	FC	10.0	
6338.5	CW	OSN46	Oostende Naval Radio, Belgium	FC	1.0	Belgium Navy
6339.5	CW	YIR	Basrah Control, Iraq	FC	1.0	
6340.5	CW	9VG9	Singapore Radio, Singapore	FC	3.0	
6342.0	CW	GKK3	Portishead Radio, England	FC	10.0	
	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
6344.0	CW	D3L	Luanda Radio, Angola	FC	6.0	
6344.0	CW	SVA3	Athens Radio, Greece	FC	2.5	
	CW	TFA6	Reykjavik Radio, Iceland	FC	1.5	
6348.0	CW	HWN	Paris, France	FC	2.0	French Navy
	CW	FUX	Le Port Radio, Reunion	FC	4.0	French Navy
	CW	KFS	San Francisco Radio, CA	FC	10.0	NOAA reports wx broadcasts at 0420, 1620, 2200 & 2300
6351.2	CW	VIB	Brisbane Radio, Australia	FC	1.0	NOAA reports wx broadcasts at 0948 & 2318
6351.5	CW	VAI	Vancouver CG Radio, Canada	FC	5.0	NOAA reports wx broadcasts at 0130, 0530 & 1730
	CW	3BM3	Mauritius (Bigara) Radio, Mauritius	FC	4.0	NOAA reports wx broadcasts at 0130 & 0430
	CW	P2M	Port Moresby R., Papua New Guinea	FC	1.0	NOAA reports wx broadcasts at 0048 & 0530
	CW	P2R	Rabaul Radio, Papua New Guinea	FC	1.0	NOAA reports wx broadcasts at 0000 & 0900
	CW	CTV6	Monsanto Naval Radio, Portugal	FC	5.0	Portuguese Navy
	CW	WMH	Baltimore Radio, MD	FC	0.8	NOAA reports wx broadcasts at 0130, 1330, 1600 & 1930
	CW	YVG	La Guairia Radio, Venezuela	FC	0.3	
6352.0	CW	FUE	Brest Naval Radio, France	FC	4.0	French Navy
	CW	FUG	La Regine (Castelnaudry), France	FC	....	" "
	CW	FUO	Toulon Naval Radio, France	FC	4.0	" "
6353.0	CW	UFB	Odessa Radio, USSR	FC	5.0	
6354.0	CW	URD	Leningrad Radio, USSR	FC	5.0	
6355.0	CW	OFM6	Helsinki Radio, Finland	FC	5.0	
	CW	PZN2	Paramaribo Radio, Surinam	FC	1.0	
6358.5	CW	PBC2	Goeree Naval Radio, Netherlands	FC	6.0	Dutch Navy (aka PBC26)
6360.0	CW	CLS	Havana Radio, Cuba	FC	5.0	
6361.0	CW	KUQ	Pago Pago, American Samoa	FC	2.5	AMVER
6362.0	CW	GYA3	Whitehall (London) Naval R., England	FC	15.0	British Navy
6363.5	CW	DAF	Norddeich Radio, GFR	FC	5.0	(Also RTTY)
6365.0	CW	IRM4	C.I.R.M., Rome, Italy	FC	10.0	AMVER/Medico
	CW	XFS	Tampico Radio, Mexico	FC	0.5	
6365.5	CW	UGK2	Kaliningrad Radio, USSR	FC	6.0	
	CW	KFS	San Francisco Radio, CA	FC	7.0	
6367.0	CW	XFU	Veracruz Radio, Mexico	FC	0.5	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
6368.9	CW	GKA3	Portishead Radio, England	FC	5.0	NOAA reports wx broadcasts at 0930 & 2130
6369.0	CW	KLC	Galveston Radio, TX	FC	3.5	NOAA reports wx broadcasts at 0530, 1130, 1730 & 2330
	CW	UBE2	Petropavlovsk Radio, USSR	FC	10.0	NOAA reports wx broadcasts at 0500, 0900 & 2000
	CW	UQK	Riga-I Radio, Latvian SSR	FC	5.0	
6371.0	CW	VPS	Cape D'Aguilar Radio, Hong Kong	FC	....	NOAA reports wx broadcast at 1318
6371.3	CW	GYU3	Gibraltar Naval Radio, Gibraltar	FC	10.0	British Navy
6372.0	CW	ZSD44	Durban Radio, RSA	FC	3.5	
	CW	SAG3	Göteborg Radio, Sweden	FC	5.0	AMVER
6374.3	CW	TBO2	Izmir Naval Radio, Turkey	FC	....	Turkist Navy
6375.0	CW	UGH2	Juzno-Sakhalinsk-I Radio, USSR	FC	5.0	
6376.0	CW	WCC	Chatham Radio, MA	FC	10.0	UPI Nx at 0300
6377.7	CW	EBA	Madrid Radionaval Radio, Spain	FC	1.0	Spanish Navy
6379.5	CW	8PO	Barbados Radio, Barbados	FC	1.0	
	CW	GKB3	Portishead Radio, England	FC	10.0	
	CW	ZSC21	Cape Town Radio, RSA	FC	10.0	
	CW	UFL	Vladivostok Radio, USSR	FC	....	NOAA reports wx broadcasts at 1000 & 2130
6379.9	CW	GKN3	Portishead Radio, England	FC	5.0	
6382.0	CW	EAD2	Aranjuez Radio, Spain	FC	3.5	
6383.0	CW	SPA3	Gdynia Radio, Poland	FC	10.0	
	CW	6VA4	Dakar Radio, Senegal	FC	4.0	NOAA reports wx broadcasts at 1000 & 2200
	CW	NMC	San Francisco CG Radio, CA	FC	10.0	USCG/AMVER
	CW	....	numerous	FC/MS	....	USCG Command Net
Calling Frequency For All "Fixed" Stations (used by ships/aircraft and for RTTY)						
6384.5	CW	CKN	Vancouver Forces Radio, Canada	FC	10.0	Canadian Navy
6385.0	CW	SXA3	Spata Attikis Naval Radio, Greece	FC	5.0	Greek Navy/NATO
	CW	PBC	Goeree Naval Radio, Netherlands	FC	....	Dutch Navy/NATO
6386.5	CW	CFH	Maritime Command Radio, Halifax, Canada	FC	10.0	Canadian Navy
	CW	HKC2	Buenaventura Radio, Colombia	FC	0.5	
	CW	ZSJ3	Cape (Silvermine) Naval Radio, RSA	FC	5.0	RSA Navy/AMVER
	CW	UJO5	Izmail Radio, USSR	FC	5.0	
6387.9	CW	FUF	Fort de France, Martinique	FC	....	French Navy
6388.0	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
6389.0	CW	CTP94	Oeiras Naval Radio, Portugal	FC	5.0	Port. Navy/NATO
6389.7	CW	WNU	Slidell Radio, LA	FC	3.0	
6389.9	CW	XFU	Veracruz Radio, Mexico	FC	0.5	
6390.0	CW	AQP2	Karachi Naval Radio, Pakistan	FC	10.0	Pakistan Navy
	FAX	....	unknown, but in USSR	FC/FX	....	Meteo
6390.3	CW	IDQ3	Rome Naval Radio, Italy	FC	10.0	NOAA reports wx broadcasts at 0500, 0830, 1800 & 2100
	CW	....	numerous, in Italy	FC	....	Italian Navy
6392.0	CW	CLS	Havana (La Fe Prairie) Radio, Cuba	FC	5.0	
6393.0	CW	OVG	Frederikshaven Naval Radio, Denmark	FC	5.0	Danish Marine
6393.5	CW	CUG33	Sao Miguel Radio, Azores	FC	2.5	
	CW	CUB29	Madeira Radio, Madeira Islands	FC	2.5	
	CW	ZLB3	Awarua Radio, New Zealand	FC	5.0	AMVER
	CW	CUL6	Lisbon Radio, Portugal	FC	5.0	
	CW	UDK2	Murmansk Radio, USSR	FC	5.0	
6395.0	CW	TBA3	Izmir Naval Radio, Turkey	FC	....	Turkist Navy
6397.0	CW	GKM3	Portishead Radio, England	FC	5.0	
	CW	JMC	Tokyo Radio, Japan	FC	....	NOAA reports wx broadcasts at 0548, 1148, 1748 & 2348
6397.9	CW	GKC3	Portishead Radio, England	FC	5.0	
6398.0	CW	SPH3	Gdynia Radio, Poland	FC	5.0	
6400.0	CW	UCY2	Astrakhan Radio, USSR	FC	5.0	
6400.6	CW	EDZ2	Aranjuez Radio, Spain	FC	3.5	
6402.0	CW	GKS3	Portishead Radio, England	FC	10.0	(Also RTTY)
6404.0	CW	LPD44	Gen. Pacheco Radio, Argentina	FC	5.0	
	CW	PCH30	Scheveningen Radio, Netherlands	FC	3.0	(Also RTTY)
6405.0	CW	LZW3	Varna Radio, Bulgaria	FC	5.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
6405.0	CW	UFN	Novorossiysk Radio, USSR	FC	5.0	
6407.5	CW	XSL	Fuzhou Radio, PRC	FC	0.5	
	CW	VIC	Carnarvon Radio, Australia	FC	1.0	
	CW	VIE	Esperance Radio, Australia	FC	1.0	NOAA reports wx broadcasts at 0048 & 1148
	CW	VIO	Broome Radio, Australia	FC	1.0	NOAA reports wx broadcasts at 0118 & 1230
	CW	VIP2	Perth Radio, Australia	FC	1.0	
	CW	GKC3	Portishead Radio, England	FC	5.0	
	CW	MHU3	Whitehall (London) Radio, England	FC	10.0	British Navy
6409.5	CW	IAR6	Rome P.T. Radio, Italy	FC	7.0	
6410.0	CW	ARH	Gwadar Naval Radio, Pakistan	FC	6.0	Pakistan Navy
	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
	CW	UHK	Batumi Radio, USSR	FC	5.0	
6411.0	CW	OST3	Oostende Radio, Belgium	FC	10.0	
	CW	SVD3	Athens Radio, Greece	FC	2.5	
	CW	5OW6	Lagos Radio, Nigeria	FC	1.0	
	CW	KLB	Seattle Radio, WA	FC	3.5	
6411.4	CW	WOE	Lantana Radio, FL	FC	3.0	
6412.0	CW	9VG55	Singapore Radio, Singapore	FC	3.0	
6413.0	CW	HWN	Paris, France	FC	....	French Navy
6413.7	CW	GYA	Whitehall (London) Naval R., England	FC	....	British Navy (aka GLO)
6414.1	CW	XSG	Shanghai Radio, PRC	FC	1.0	TIME SIGNALS/Tfc NOAA reports wx broadcasts at 0306 & 0906
	CW	GYC3	Whitehall (London) Naval R., England	FC	5.0	British Navy NOAA reports wx broadcasts at 0446, 0600, 1646 & 1800
	CW	ASK	Karachi Radio, Pakistan	FC	3.0	
	CW	WSL	Amagansett Radio, NY	FC	10.0	
6417.0	CW	DZP	Novaliches Radio, Philippines	FC	3.0	
	CW	UKX	Nakhodka-I Radio, USSR	FC	5.0	
6418.0	CW	IQX	Trieste P.T. Radio, Italy	FC	2.0	
	CW	WSL	Amagansett Radio, NY	FC	10.0	
6418.2	CW	IAR26	Rome P.T. Radio, Italy	FC	7.0	
6420.0	CW	IRM5	C.I.R.M., Rome, Italy	FC	....	Medico
	CW	UJQ7	Kiev-I Radio, USSR	FC	15.0	
6421.5	CW	FPL3	St. Lys Radio, France	FC	5.0	
	CW	UJ05/URL3	Izmail Radio, USSR	FC	6.0	
6423.0	CW	ZSC47	Cape Town Radio, RSA	FC	10.0	NOAA reports wx broadcasts at 0930 & 1730
6425.0	CW	OFJ7	Helsinki Radio, Finland	FC	5.0	
	CW	ICB	Genoa P.T. Radio, Italy	FC	5.0	
	CW	URD	Leningrad Radio, USSR	FC	15.0	
6427.3	CW	UNM3	Klaipedia Radio, Lithuanian SSR	FC	5.0	
6428.5	CW	VHP	Canberra Naval Radio, Australia	FC	5.0	RANavy
	CW	VIX	Master Station Canberra, Australia	FC	5.0	NOAA reports wx broadcasts at 0130, 0530, 0930, 1330 & 2130
	CW	DHS	Rügen Radio, GDR	FC	3.0	
	CW	GKD3	Portishead Radio, England	FC	5.0	
	CW	PKM	Bitung Radio, Indonesia	FC	1.0	
	CW	NPG	San Francisco Naval Radio, CA	FC	10.0	TIME SIGNALS/Tfc
6430.0	CW	CFH	Maritime Command Radio, Halifax, Canada (Canadian Navy)	FC	10.0	NOAA reports wx broadcasts at 0430, 1300, 1630 & 1900. Seasonal ice broadcasts at 0130 & 1330
	CW	4XO	Haifa Radio, Israel	FC	2.5	
6432.0	CW	LGU	Rogaland Radio, Norway	FC	5.0	AMVER
6434.7	CW	MHU3	Whitehall (London) Naval R., England	FC	5.0	British Navy (aka GYA)
	CW	GYU	Gibraltar Naval Radio	FC	....	British Navy
6435.0	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
	CW	DZO	Manila Radio, Philippines	FC	2.0	NOAA reports wx broadcasts at 1030 & 2330
6435.5	CW	DAN	Norddeich Radio, GFR	FC	5.0	
	FAX	GZZ	Whitehall R., Northwood, England	FC	5.0	RN/Meteo
	CW	IDR3	Rome P.T. Radio, Italy	FC	10.0	
	CW	ZLP3	Irirangi Naval Radio, New Zealand	FC	10.0	RNZNavy

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
6435.5	CW	WPA	Port Arthur Radio, TX	FC	3.0	
6439.0	CW	OXZ31	Lyngby Radio, Denmark	FC	10.0	
6441.0	CW	DZG	Manila Radio, Philippines	FC	5.0	AMVER NOAA re-ports wx broadcasts at 0320 & 1520
6442.5	CW	XFS3	Tampico Radio, Mexico	FC	1.0	
	CW	XFU	Veracruz Radio, Mexico	FC	1.0	
6444.5	CW	SVF3	Athens Radio, Greece	FC	2.5	
6445.3	CW	CKN	Vancouver Forces Radio, Canada	FC	10.0	NOAA reports wx broadcasts at 0000, 0430 & 1330
6446.0	CW	DZR	Manila (Bulacan) Radio, Philippines	FC	2.0	NOAA reports wx broadcast at 0120
	CW	WLO	Mobile Radio, AL	FC	10.0	NOAA reports wx broadcasts at 1300 & 2300
	CW	WPD	Tampa Radio, FL	FC	0.4	NOAA reports wx broadcasts at 1420 & 2020
6446.8	CW	OXZ3	Lyngby Radio, Denmark	FC	10.0	
6447.0	CW	UFB	Odessa Radio, USSR	FC	5.0	
6448.0	CW	LZW3	Varna Radio, Bulgaria	FC	5.0	
6450.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in EE
	CW	HSX	Songkhla Naval Radio, Thailand	FC	3.0	
	CW	HSY	Sattahip Radio, Thailand	FC	3.0	
	CW	HSZ	Bangkok Naval Radio, Thailand	FC	3.0	
6451.0	CW	HLG	Seoul Radio, South Korea	FC	5.0	
6451.5	CW	SAB3	Göteborg Radio, Sweden	FC	5.0	
6452.0	CW	XSG	Shanghai Radio, PRC	FC	1.0	
6454.0	CW	CLA4	Havana (Cojimar) Radio, Cuba	FC	5.0	
	CW	LOK	Orcadas Radio, South Orkney Islands	FC	....	NOAA reports wx broadcast at 1625 (also some seasonal FAX ice broadcasts)
6455.0	CW	UON	Baku Radio, USSR	FC	5.0	
	CW	UDK2	Murmansk-I Radio, USSR	FC	5.0	
6456.0	CW	DAL	Norddeich Radio, GFR	FC	5.0	(Also RTTY)
6456.5	CW	PKB20	Lhok Seumawe Radio, Indonesia	FC	1.0	
	CW	PKN2	Balikpapan Radio, Indonesia	FC	0.5	
	CW	PKN7	Bontang Radio, Indonesia	FC	1.0	
6457.5	CW	JOR	Nagasaki Radio, Japan	FC	5.0	
6460.0	CW	LSA3	Boca Radio, Argentina	FC	1.0	
6463.2	CW	HKB	Barranquilla Radio, Colombia	FC	2.5	
6463.5	CW	VIA	Adelaide Radio, Australia	FC	1.0	
	CW	VID	Darwin Radio, Australia	FC	1.0	NOAA reports wx broadcasts at 0048 & 1048
	CW	VIT	Townsville Radio, Australia	FC	1.0	NOAA reports wx broadcasts at 0030, 0930 & 2348
	CW	KOK	Los Angeles Radio, CA	FC	7.5	NOAA reports wx broadcasts at 0450 & 1650
6464.0	CW	VIS3	Sydney Radio, Australia	FC	2.5	AMVER
6467.0	CW	JCS	Choshi Radio, Japan	FC	3.0	
	CW	LFU	Rogaland Radio, Norway	FC	5.0	AMVER
	CW	ARN	Jiwani Naval Radio, Pakistan	FC	5.0	Pakistan Navy
	CW	ZSC36	Cape Town Radio, RSA	FC	10.0	
6468.0	CW	DZN	Manila (Navotas) Radio, Philippines	FC	3.0	NOAA reports wx broadcasts at 0200 & 1400
6469.0	CW	HSX	Songkhla Naval Radio, Thailand	FC	1.0	
	CW	HSY	Sattahip Radio, Thailand	FC	1.0	
	CW	HSZ	Bangkok Naval Radio, Thailand	FC	1.0	
6469.3	CW	GKG3	Portishead Radio, England	FC	5.0	
6470.0	CW	JCX	Naha Radio, Okinawa, Japan	FC	1.0	
	CW	UXN	Arkhangelsk Radio, USSR	FC	5.0	
6470.1	CW	SPA24	Spata Attikis Naval Radio, Greece	FC	....	Greek Navy/NATO
6470.5	CW	4XO	Haifa Radio, Israel	FC	2.5	
	CW	6YI	Kingston Radio, Jamaica	FC	1.0	
	CW	9YL	North Post Radio, Trinidad	FC	1.0	NOAA reports wx broadcasts at 1200 & 1530
6470.8	CW	GKH3	Portishead Radio, England	FC	5.0	
6472.3	CW	GKI3	Portishead Radio, England	FC	5.0	
6473.5	CW	YQI3	Constanta Radio, Rumania	FC	5.0	
6475.0	CW	UAT	Moscow Radio, USSR	FC	5.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
6475.5	CW	DAM	Norddeich Radio, GFR	FC	10.0	TIME SIGNALS/Tfc
			<i>Time signals 2355-0006 spring & summer months only</i>			
6477.5	CW	GKJ3	Portishead Radio, England	FC	10.0	
6478.0	CW	ZSC34	Cape Town Radio, RSA	FC	10.0	
6478.5	CW	SVB3	Athens Radio, Greece	FC	2.5	
6480.4	CW	9MB2	Penang Radio, Malayasia	FC		
6481.0	CW	GYZ3	La Valetta Naval Radio, Malta	FC	10.0	British Navy
6481.5	CW	CCS	Santiago Naval Radio, Chile	FC	....	Chilean Navy
6485.0	CW	JCU	Chosi Radio, Japan	FC	3.0	
	CW	UAH	Tallinn Radio, Estonian SSR	FC	5.0	
6487.0	CW	NST	Thurso, Scotland	FC	....	USN
6487.5	CW	VRT	Bermuda Radio, Bermuda	FC	1.0	
6488.0	CW	C9L2	Maputo Radio, Mozambique	FC	0.5	(May move to 6498.5)
6490.7	CW	GYA	London (Whitehall) Naval R., England	FC	10.0	British Navy
6491.5	CW	VCS	Halifax CG Radio, Canada	FC	1.0	AMVER
	CW	PKC	Palembang Radio, Indonesia	FC	1.0	
	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
	CW	PJC	Curaçao Radio, Netherlands Antilles	FC	1.0	NOAA reports wx broadcasts at 0000 & 2300
	CW	TAH	Istanbul Radio, Turkey	FC	3.0	
6492.3	FAX	GYJ3	Whitehall R., Northwood, England	FC	....	Meteo
6493.0	CW	VFF	Frobisher CG Radio, Canada	FC	1.0	NOAA reports wx broadcasts at 0200, 1100,,1400 & 2300--July through October
	CW	URB2	Klaipedia Radio, Lithuanian SSR	FC	5.0	
6493.2	CW	YIR	Basrah Control, Iraq	FC	1.5	NOAA reports wx reports on request--may have vacated this frequency in early 1979
6495.0	CW	GYA	London (Whitehall) Naval R., England	FC	....	Also monitored as GYR3
6496.8	CW	OST32	Oostende Radio, Belgium	FC	10.0	
6498.5	CW	EAF	Vigo Radio, Spain	FC	....	AMVER
	CW	EAT	Santa Cruz de Tenerife, Canary Is.	FC	....	AMVER Operation of either station unconfirmed--information supplied by USCG AMVER
6499.0	CW	SPE3	Szceczin Radio, Poland	FC	10.0	
6502.0	CW	VII	Thursday Island Radio, Australia	FC	1.0	NOAA reports wx broadcasts at 0018 & 0948
	CW	VIR	Rockhampton Radio, Australia	FC	1.0	
	CW	XSZ	Dairen Radio, PRC	FC	1.0	NOAA reports wx broadcasts at 0500 & 1250
	MCW	C9C5	Maputo Naval Radio, Mozambique	FC	3.0	TIME SIGNALS
6505.5	CW	EAC	Cadiz (Tarifa) Radio, Spain	FC	....	AMVER Operation of station unconfirmed--information supplied by USCG AMVER

Coast Stations USB Duplex

6506.4	USB	NOJ	Kodiak CG Radio, AK	FC	10.0	CH#601 (6200.0)
			<i>NOAA reports wx broadcasts at 0203, 0445, 0903, 1415, 1645 & 2103</i>			
	USB	NMO	Coast Guard Radio Honolulu, HI	FC	10.0	CH#601 (6200.0)
			<i>NOAA reports wx broadcast at 0545</i>			
	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	CH#601 (6200.0)
	USB	NMN	Portsmouth Communications Station, VA	FC	10.0	" "
			<i>NOAA reports wx broadcasts at 0400, 0530, 1130, 1600, 2200 & 2300</i>			
	USB		This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMR, San Juan, PR and NRV, Guam			
6508.0	CW	SKA2	Spata Attikis Naval Radio, Greece	FC	....	Greek Navy/NATO
6509.5	USB	KWL21	Auke Bay, AK	FC	1.0	NOAA CH#602
	USB	KWL43	King Salmon, AK	FC	1.0	" "
	USB	KWL39	Little Port Walter, AK	FC	1.0	" "
	USB	CFH	Maritime Command Radio, Halifax, Canada (Canadian Navy)	FC	10.0	CH#602 (6203.1)
	USB	CGF	Halifax, NS, Canada	FC	1.0	" "
	USB	CGK	Vancouver, BC, Canada	FC	1.0	" "
	USB	CGZ	St. Johns, Nfld., Canada	FC	1.0	" "
	USB	KAW63	Laysan Island, HI	FC	1.0	NOAA CH#602
	USB	PCG31	Scheveningen Radio, Netherlands	FC	10.0	CH#602 (6203.1)
	USB	CUL	Lisbon Radio, Portugal	FC	5.0	" "

Coast Stations USB Duplex

kHz	Mode	Call	Location	Service	kW	Remarks
6509.5	USB	AAE310	New Orleans Radio, LA	FC	1.0	NOAA CH#602
	USB	KAI	San Juan Radio, PR	FC	1.0	" "
	USB	KAC	Woods Hole Radio, MA	FC	1.0	" "
	USB	KAF	Atlantic Highlands Radio, NJ	FC	1.0	" "
	USB	KBR	Beaumont Radio, NC	FC	1.0	" "
	USB	KHW	Pascagoula Radio, MS	FC	1.0	" "
	USB	KJS	Kings Point Radio, NY	FC	1.0	" "
	USB	KVH	Atlantic Marine Center, Norfolk, VA	FC	1.0	" "
	USB	KVK	Miami Radio, FL	FC	1.0	" "
	USB	KVJ	Seattle Radio, WA	FC	1.0	" "
	USB	KVR	Detroit Radio, MI	FC	1.0	" "
6510.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in GG
6512.6	USB	LPL30	G. Pacheco Radio, Argentina	FC	10.0	CH#603 (6206.2)
	USB	VIP	Perth Radio, Australia	FC	1.0	" "
	USB	VIS	Sydney Radio, Australia	FC	1.0	" "
			Both Australians accept AMVER			
	USB	....	several, in Australia	FC	1.0	CH#603 (6206.2)
			(Includes: VIC, Carnavon; VID, Darwin; VIE, Esperance; VII, Thurs-			
			day Is.; VIM, Melbourne; VIO, Broome; VIR, Rockhampton & VIT, Townsville)			
	USB	....	Bermuda Radio, Bermuda	FC	1.0	CH#603 (6206.2)
	USB	....	several, in Spain	FC	1.0	" "
	USB	....	Göteborg Radio, Sweden	FC	5.0	" "
6515.7	USB	P2M	Port Moresby Radio, Papua New Guinea	FC	1.0	CH#604 (6209.3)
			NOAA reports wx on request			
	USB	KRV	Ponce Radio, PR	FC	1.0	Coastal Waterway
	USB	WCM	Pittsburgh, PA	FC	0.8	Inland Waterway
			Temporary FCC Assignment			
6518.8	USB	VAI	Vancouver CG Radio, Canada	FC	1.0	CH#605 (6212.4)
	USB	VCS	Halifax CG Radio, Canada	FC	1.0	" "
	USB	....	Lyngby Radio, Denmark	FC	10.0	" "
	USB	....	Göteborg Radio, Sweden	FC	10.0	" "
	USB	....	Coast & Ship Duplex Frequency (USA)	FC	....	Inland Waterway
			(Includes: KMB, Houston, TX; KDJ, Houston, TX; KUR, Port Arthur, TX; WFN, Jeffersonville, IN; WNT, Greenville, MS; WRK, Morgan City, LA; etc., plus oil rigs--may also be used in simplex)			
	USB	....	This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NOJ, Kodiak, AK & NRV, Barrigada, Guam			
6521.9	AM/USB	INTERNATIONAL COAST STATION CALLING FREQUENCY			....	CH#606 (6215.5)
	USB	....	Coast & Ship Duplex Frequency (USA)	FC	....	Inland Waterway
			(Includes: KFB, Palm Beach, FL; KMB, Houston, TX; WBK, Pittsburgh, PA; WFE, Houston, TX; etc., plus oil rigs--may also be used in simplex)			
	USB	....	This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak, AK & NRV, Barrigada, Guam			
			6525.0-6765.0 kHz - Aeronautical Mobile (Worldwide)			
6526.0	USB	....	numerous, worldwide, operational	FA/MA	....	Airports & in-flight--particularly ARINC New York to Honolulu (phone patch available)
6537.0	CW	....	numerous (ICAO AFI-1)	FA	....	Aero Tfc (West coast of Africa)
6540.0	AM/A3H	....	numerous (ICAO E-CAR)	FA/MA	....	Airports & in-flight eastern Caribbean to New York
6550.0	ISB	....	Beijin, PRC	FX	....	R. Beijing Feeder
6561.0	AM	....	Riga, Latvian SSR	FA	1.0	VOLMET in RR
	AM/A3H	....	numerous (ICAO AFI-5 & W-CAR)	FA/MA	....	Airports & in-flight east Africa, Indian Ocean to Bombay 7 western Caribbean, plus Central America
6568.0	AM/A3H	....	numerous (ICAO E-CAR & W-CAR)	FA/MA	....	Airports & in-flight covering all of the Caribbean & Central America
6575.0	AM	....	Algiers Aeradio, Algeria	FA	0.4	VOLMET in EE/FF
	AM	....	Dakara Aeradio, Senegal	FA	1.3	VOLMET in EE/FF

Aeronautical Mobile Worldwide (con.)

KHz	Mode	Call	Location	Service	kW	Remarks
6582.0	AM/A3H	....	numerous (ICAO EUR-A)	FA/MA	....	Airports & in-flight covering Central Europe, Mediterranean, Middle East and Soviet Union
6589.0	AM/A3H	....	numerous (ICAO AFI-4)	FA/MA	....	Airports & in-flight mostly Equatorial Africa
6608.0	CW/SSB	....	numerous, mostly in USSR	FA/MA	....	USSR Air Force
6610.0	AM/A3H	....	numerous (ICAO AFI-1 & SAT)	FA/MA	....	Airports & in-flight West Africa & across South Atlantic Ocean
6617.0	AM	....	Brazzaville Aeradio, Congo	FA	1.2	VOLMET in FF
	AM	....	Tananarive Aeradio, Madagascar	FA	1.5	VOLMET in FF
	USB	....	Attu & St. Paul, AK (Reeve AA)	FA	....	USCG
	AM	....	Kiev Aeradio, USSR	FA	....	VOLMET in RR
			(may also be used by Kuybyshev, Leningrad & Sverdlovsk for VOLMET broadcasts)			
6624.0	AM	....	numerous in Australia	FA	0.5	Aero Tfc Net
	AM/A3H	....	numerous (ICAO MID-2)	FA/MA	....	Airports & in-flight covering Middle East to India sub-continent
6631.0	AM/A3H	....	numerous (ICAO CWP-1 & CWP-2)	FA/MA	....	Airports & in-flight covering western Pacific from Honolulu to Ulan Bator
6638.0	AM/A3H	....	numerous (ICAO AFI-1 & AFI-2)	FA/MA	....	Airports & in-flight covering entire western Africa
	AM/USB	....	Moscow (Sheremetyevo), USSR	FA	....	VOLMET in FF/RR
6645.0	CW/USB	KJY74	Miami "Monitor", FL	FA	....	NOAA
6650.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
6666.0	AM/A3H	....	numerous (ICAO NW-SAM & SW-SAM)	FA/MA	....	Airports & in-flight covering entire western South America
6670.0	USB	....	numerous	FA/MA	....	USAF
6675.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in EE
6680.0	AM	....	Bombay Aeradio, India	FA	0.8	VOLMET
	AM	....	Calcutta Aeradio, India	FA	0.8	"
	AM	....	Karachi Aeradio, Pakistan	FA	....	"
	AM	9VA40	Singapore Aeradio	FA	1.6	"
	AM	VLS	Sydney Aeradio, Australia	FA	3.0	"
	AM	....	Bangkok Aeradio, Thailand	FA	1.6	"
6683.0	USB	....	numerous, Canal Zone to USA	FA/MA	....	USAF
6685.0	CW	....	numerous in Canada	FA	....	RCAF
6686.0	CW/USB	MKA	London, England	FA	1.0	RAF
	CW/USB	MKL	Pitreavie Castle, Scotland	FA	1.0	RAF
	CW/USB	....	numerous, Europe and in USA	FA/MA	....	USAF
6691.0	USB	....	numerous in Australia	FA/MA	....	RAAF
6693.0	USB	....	several in Canada	FA/MA	....	RCAF
	ISB	NAX	Barber's Point, HI	FA	5.0	USN
6697.0	USB	....	numerous in North Atlantic Ocean	FA/FC	....	USN (Considered to be primary coordination frequency)
			This frequency used by USN Coast Stations: NAF, Newport, RI; NAM, Norfolk, VA; NCO, Quonset Point, RI and NHK, Patuxent River, MD			
6701.0	USB	....	numerous, worldwide	FA/FC	....	USN
6705.0	USB	CHR	Trenton Military, Ont., Canada	FA/MA	....	RCAF
	USB	CJX	St. Johns Military, Nfld, Canada	FA/MA	....	"
	USB	CZW	Halifax Military, NS, Canada	FA/MA	....	"
	USB	VXA	Edmonton Military, Alta., Canada	FA/MA	....	"
	USB	....	numerous, USA & surrounding waters	FA/FC	....	USN
6708.0	USB	....	several in USA	FX	....	NORAD (Rarely used backup frequency)
6710.0	AM	....	Irkutsk "Control", USSR	FA/MA	....	Aero Tfc
	AM	....	Moscow "Control", USSR	FA/MA	....	Aero Tfc
6714.0	CW	MKL	Pitreavie Castle, Scotland	FA	1.0	RAF
	CW	MQD	Plymouth, England	FA	1.0	"
	CW	MQY	Pitreavie Castle, Scotland	FA	1.0	"
6715.0	LSB	....	"Air Force 1" & "Air Force 2"	MA	....	USAF
	USB	....	numerous, worldwide	FA/MA	....	RAAF, RCAF, Air National Guard & USAF
6720.0	USB	....	numerous in Ocean areas	FA/MA	....	USN ASW
6723.0	LSB/USB	....	numerous, USA & surrounding waters	FA/MA	....	USN (Primary night frequency time of publication--also some USAF)
6725.2	ISB	....	Hue, Viet Nam	FX/AX	....	Telcom (also RTTY)
6730.0	AM	....	Tashkent Aeradio, USSR	FA	4.0	VOLMET in RR
6735.0	USB	....	numerous, mostly in Pacific area	FA/MA	....	USAF

Aeronautical Mobile Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
6738.0	USB	....	numerous	FA/MA	....	USAF (May also be used by the RCAF--typical bases include: Andersen AFB, Guam; Clark AB, Philippines; Elmendorf AFB, AK; Hickam AFB, HI; Thule, Greenland and Yokota AB, Japan)
6740.0	USB	AFE8	MacDill AFB, FL	FA/MA	....	USAF
6742.0	USB	MKL	Pitreavie Castle, Scotland	FA/MA	1.0	RAF
6745.5	CW	CAK	Santiago (Los Cerrillos), Chile	FA/FX	....	Tfc (NOAA reports wx broadcasts 0130, 1330 & 2000)
6746.0	USB	....	Vandenberg AFB, CA (Plead 8)	FA/FX	....	USAF/USN (This was primary frequency for the Pacific Missile Firing Range)
6748.0	CW	RFNV	Moscow (Aeroflot), USSR	FA/MA	....	In-flight between Havana and Moscow
6750.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
	USB	....	numerous	FA/MA	....	USAF (May also be used by the RAF--typical USAF bases include: Croughton, England; Lajes Airways, Azores and particularly MacDill AFB at night)
6753.0	USB	CJX	St. Johns Military, Nfld., Canada	FA/MA	....	RCAF
	USB	VXA	Edmonton Military, Alta., Canada	FA/MA	....	RCAF (Both of these stations make frequent wx broadcasts)
	USB	....	Greenwood/Moncton, England	FA/MA	....	RCAF
	USB	AFE83	Ascension Island	FA/MA	....	USAF
6756.0	USB	....	"Air Force 2"	MA	....	USAF
6761.0	USB	....	numerous	FA/MA	....	USAF (Used for "Sky King" broadcasts--many code names for Air Bases--sometimes called SAC "Quebec" frequency)
6764.5	CW	HGX21	Budapest, Hungary	FX	....	EMBASSY (Also RTTY to Hungarian Embassies in Europe, Middle East & Africa)

6765.0-7000.0 kHz Fixed Service (Worldwide)

6765.0	FAX	HSW	Bangkok, Thailand	FX	....	Meteo
6770.0	ISB	RAN78	Moscow, USSR	FX	50.0	R. Moscow Feeder
	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
6776.2	CW	YBU2	Tembilahan, Indonesia	FX	0.2	Tfc
6784.9	CW/ISB	LHA	Oslo (Jeloey), Norway	FX	10.0	Tfc
6785.7	CW	YCN2	Pontianak, Indonesia	FX	0.2	Tfc
6790.0	FAX	YMA22	Ankara, Turkey	FX	....	Meteo
6792.0	CW	HEP67	Zurich (Waltikon), Switzerland	FX	2.0	INTERPOL
	CW	SHX	Stockholm, Sweden	FX	1.5	INTERPOL
One of the principal international INTERPOL frequencies						
6802.0	USB	FPG80	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
	ISB	FZE68	Fort de France, Martinique	FX	6.0	Tfc
6808.0	USB	RAT25	Moscow, USSR	FX	20.0	R. Moscow Feeder
6810.0	CW	....	numerous in Australia	FX	0.8	Monitoring network including: VNA2, Sydney; VNA3, Melbourne; VNA4, Brisbane; VNA5, Adelaide; VNA6, Perth; VNA7, Hobart and VNA21, Townsville
6812.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
	USB	....	Aleutian LORAN Network	FX	....	USCG (Includes NMJ21, Adak; NMJ22, Attu; NOJ, Kodiak; NRW, Cape Sarichef; NRW1, Sitkinak; NRW2, St. Paul & NRW3, Pt. Clarence)
6818.2	CW/SSB	HBV16	Berne (Genevepragins), Switzerland	FX	20.0	EMBASSY
6820.0	FAX	JKA2	Tokyo (Kemigawa), Japan	FX	5.0	
6825.0	USB	....	Beijing, PRC	FX	....	R. Beijing Feeder
	ISB	RBV79	Tashkent, USSR	FX	20.0	R. Moscow Feeder
6833.6	ISB	....	numerous, Hawaii to US east coast	FA/FC	1.0	USN
6840.0	USB	CSS410	Ponta Delgada, Azores	FX	....	Tfc (Also RTTY)
	CW	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY (Also RTTY)
	USB	....	Daventry, England	FX	30.0	BBC Feeder
	CW/USB	EBC	Cadiz (San Fernando), Spain	FB	1.0	TIME SIGNALS & Tfc
6845.0	USB	VJJ	Charleville, Qld., Australia	FX	0.3	School
6847.5	ISB	FTG84	Paris (St. Assise), France	FX	20.0	Tfc
6854.3	ISB	GPE26	Oxford, England	FX	75.0	Tfc
6858.5	LSB	....	Lyndhurst, Australia	FX	30.0	R. Australia Feeder
6866.5	CW	KWL90	unknown, but in Far East	FX	....	USA EMBASSY
6867.5	ISB	LJN22	Ny Alesund Naval R. Spitsbergen	FX	10.0	Norwegian Navy

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
6870.0	FAX	RHB/RHO	Khabarovsk, USSR	FX	....	Meteo
6873.0	ISB	....	Greenville, NC	FX	50.0	VOA Feeder
6875.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
6880.0	USB	VKJ3	Meekatharra, WA, Australia	FX	0.3	Outpost
	FAX	....	Moscow, USSR	FX	....	Meteo
6885.0	CW/LSB	NAW11	Guantanamo, Cuba	FX	....	Telcom/Tfc
6887.0	ISB	DFF88	Frankfurt, GFR	FX	20.0	Infrequent use
<i>to relay Deutsche Welle--also used for FAX & RTTY</i>						
6888.5	USB	RAN76	Moscow, USSR	FX	15.0	R. Moscow Feeder
6890.0	USB	VJT	Carnarvon, WA, Australia	FX	0.3	Outpost
	USB	VNZ	Port Augusta, SA, Australia	FX	0.3	Outpost
6893.0	FAX/CW	JKD2	Tokyo, Japan	FX	5.0	
6895.0	CW	PBC96	Goeree Naval Radio, Netherlands	FX/FC	5.0	Dutch Navy
6898.0	ISB	MKG	London (Stanbridge), England	FX	30.0	RAF
6900.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
6901.0	FAX	SMA6	Norrköping, Sweden	FX	....	Meteo
6906.5	USB	....	"Madeira Control", Madeira Is.	AX	....	Tfc to CSY
6909.7	CW	YBF7	Medan, Indonesia	FX	0.3	Tfc
6912.5	FAX	KWAF	Washington, DC	FX	3.0	Meteo
6913.0	CW	DHJ59	Sengwarden Naval Radio, GFR	FX/FC	....	German Navy/NATO
6915.0	CW	LHB	Oslo (Jeloey), Norway	FX	25.0	Unconfirmed wx
<i>broadcasts at 1205 & 2200</i>						
6918.5	FAX	ECA7	Madrid, Spain	AX	4.0	Meteo
6918.5	USB	....	Moscow, USSR	FX	....	R. Moscow Feeder
6920.0	USB	VJC	Broken Hill, NSW, Australia	FX	0.3	Outpost
6925.0	USB	VJB	Derby, WA, Australia	FX	0.3	Outpost
6925.2	CW	KKN50	Washington, DC	FX	....	EMBASSY Tfc (Also
<i>reported on this frequency are KKN32 & KRH50)</i>						
6926.3	ISB	....	Medan, Indonesia	AX	....	Tfc
6935.0	USB	....	Aleutian LORAN Net	FX	....	USCG (For list of
<i>stations see 6812.0)</i>						
6943.5	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes:
<i>AOB50, Estartit, Spain; AOB60, Estaca de Vares, Spain; NCI, Simeri</i>						
<i>Crichi, Italy; NCI3, Lampedusa, Italy; NCI4, Karaburun, Turkey; NC110,</i>						
<i>Rhodes and NC111, Sardinia)</i>						
6945.0	USB	VJJ	Charleville, Qld., Australia	FX	0.3	School
	USB	VKF	Wyndham, WA, Australia	FX	0.3	Outpost
6945.0	USB	....	Mediterranean LORAN Net	FX	....	USCG (For list of
<i>stations see 6812.0)</i>						
6946.0	CW/FAX	CKN	Vancouver Forces Radio, Canada	FX	10.0	RC Navy
6946.2	FAX	CLN53	Havana (Bauta), Cuba	FX	30.0	
6950.0	USB	VJD	Alice Springs, NT, Australia	FX	0.3	Outpost
	CW	DHJ59	Sengwarden Naval Radio, GFR	FX/FC	....	German Navy/NATO
6957.5	CW/ISB	NAW25	Guantanamo, Cuba	FX	....	Tfc/Telcom
6960.0	USB	VJT	Carnarvon, WA, Australia	FX	0.3	Outpost
	USB	VKJ	Meekatharra, WA, Australia	FX	0.3	"
	USB	VKL	Port Hedland, WA, Australia	FX	0.3	"
6965.0	USB	VJI	Mt. Isa, Qld., Australia	FX	0.3	"
	CW	YMH3	Bandirma, Turkey	FX/FC	0.1	NOAA reports wx
<i>broadcasts at 0450, 0650, 1030, 1710, 1850 & 2230</i>						
	FAX	....	Murmansk, USSR	FX	....	Meteo
6967.7	ISB	8BB	Jakarta, Indonesia	AX	....	Meteo
6970.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
6975.0	USB	DFF97	Frankfurt, GFR	FX	20.0	Telcom
6976.7	CW	XBA	Mexico City (Tacubaya), Mexico	FX	0.5	TIME SIGNALS
6977.5	LSB/USB	....	numerous in USA	FX	....	NOAA Net
6987.5	ISB	....	Moscow, USSR	FX	....	R. Moscow Feeder
6995.0	ISB	LDM	Oslo (Jeloey), Norway	FX	10.0	Tfc
	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in GG
6998.5	CW	HBC88	Geneva, Switzerland	FX	0.8	Red Cross

7000.0-7100.0 kHz Amateur Radio (Worldwide)

7100.0-7300.0 kHz Amateur Radio (North & South America, only)

7100.0-7300.0 kHz Broadcasting (ITU Regions 1 and 3, only)

kHz	Mode	Call	Location	Service	kW	Remarks
7210.0	AM	....	Berne, Switzerland	BC	....	Red Cross (At publication, test transmissions were made on every fourth Monday of the month in EE & FF. On every fourth Wednesday test transmissions are made in AA, GG & SS. All broadcasts are made between 0600-0700, 1130-1230 & 1700-1800)
7300.0-8195.0 kHz Fixed Service (Worldwide)						
7302.0	CW	IDR3	Rome Naval Radio, Italy	FX	15.0	Italian Navy
7305.0	FAX	JMH2	Tokyo, Japan	FX	5.0	Meteo (Also RTTY)
7320.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in GG
	CW	FXP95	Papeete, Tahiti	AX/FC	....	NOAA reports wx broadcast at 0400
7323.2	LSB	....	numerous	FX	....	MARS
7324.0	USB	....	numerous	FX	....	MARS
7327.5	FAX	JAE27	Tokyo, Japan	FX	10.0	
7329.0	USB	....	numerous	FX	....	MARS
7335.0	A3H	CHU	Ottawa, Canada	SS	10.0	TIME SIGNALS
7340.1	CW	YBP4	Pakanbaru, Indonesia	FX	0.2	Tfc
7345.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
7349.5	USB	....	U.S. Defense Civil Preparedness Agency Calling Frequency			
7350.0	LSB	XDD212	Mexico City, DF, Mexico	FX	10.0	Telcom
7351.7	CW	CTH41	Horta Naval Radio, Azores	FC	....	Portuguese Navy
						(NOAA reports wx broadcast at 0930)
7353.0	CW	CTV27	Monsanto Naval Radio, Portugal	FC	3.0	Portuguese Navy
7360.6	CW	YBX2	Tandjungpinang, Indonesia	FX	0.2	Tfc
7370.0	FAX	JKE5	Tokyo (Usui), Japan	FX	5.0	
7377.5	USB	....	North Atlantic (East Coast) LORAN Net	FX	....	USCG (Includes: NOL, Bermuda; NMA7 Jupiter, FL; NMF32, Nantucket, MA; NMF33, Caribou, ME and NMN73, Carolina Beach (Cape Fear), NC)
7384.5	ISB	FTX38	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
7387.4	ISB	LDX2	Longyearbyen, Spitsbergen	FX	10.0	Telcom/Tfc
7389.5	LSB	YVL5	Caracas, Venezuela	FX	0.5	Telcom
7395.0	FAX	HSW64	Bangkok, Thailand	FX	3.0	Meteo
	CW	TBA	Ankara Naval Radio, Turkey	FC/FX	....	Turkist Navy
7401.0	CW	HEP74	Waltikon, Switzerland	FX	3.0	INTERPOL (Also
	CW	OEQ39	Vienna, Austria	FX	1.0	INTERPOL RTTY)
7403.0	FAX	ATP57	New Delhi, India	FX	15.0	Meteo
7408.5	USB	RAN72	Moscow, USSR	FX	20.0	R. Moscow Feeder
7427.5	ISB	ZEN32	Cape D'Aguilar, Hong Kong	FX	10.0	Tfc
7428.0	CW	FTX42	Paris (St. Assise), France	FX	6.0	TIME SIGNALS/Tfc
	CW	NDT6	Totsuka, Japan	FX	5.0	USN
7430.0	ISB	NAW26	Guantanamo, Cuba	FX	....	Telcom/Tfc
	ISB	ZPB74	Asuncion, Paraguay	FX	10.0	Telcom/Tfc
7434.0	CW	KWS78	Nicosia, Cyprus	FX	....	USA EMBASSY
7441.0	USB	....	Mediterranean LORAN Net	FX	....	USCG (For list of stations see 6943.5)
	USB	....	Aleutian LORAN Net	FX	....	USCG (For list of stations see 6812.0)
7443.0	ISB	HBX37	Berne, Switzerland	FX	10.0	UN Radio Feeder
7449.0	ISB	MLF	Luga, Malta	FX	10.0	RAF Telcom/Tfc
7452.0	FAX	....	unknown, but in the USSR	FX	....
7457.0	FAX	RHB/RHO	Khabarovsk, USSR	FX	....	Meteo
7461.0	USB	....	numerous	FX	....	USAF
7465.0	USB	VJN	Cairns, Qld., Australia	FX	0.3	Outpost
	CW/ISB	LBJ7	Harstad Naval Radio, Norway	FX/FC	....	Norwegian Navy
7470.0	CW	KKN33	Washington, DC	FX	10.0	EMBASSY (aka KKN50)
7473.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (Includes: NMO, Lualualei, HI; NRO, Johnston Is.; NRO2, Kauai Is., HI; NRO4, French Frigate Shoals, HI; NRO5, Upolu Point, HI and NRO7, Kure Is. (Ocean Is.), HI)
7473.6	ISB	MKG	London (Stanbridge), England	FX	10.0	RAF
7475.0	FAX	....	Khabarovsk, USSR	FX	....	Meteo
	FAX	RMP44	Petropavlo Kam, USSR	FX	20.0	Meteo
	USB	Federal	Aviation Administration Backup Network			
7485.0	AM	unknown (± 10 kHz)	FX	NUMBERS in SS

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kHz	Mode	Call	Location	Service	kW	Remarks
7487.9	ISB	MKD	Akrotiri, Cyprus	FX	10.0	RAF
7490.0	USB	RIS79	Tbilisi, USSR	FX	20.0	R. Moscow Feeder
7495.4	FAX	....	unknown, but in the USSR	FX	....
7498.5	LSB	5TN228	Nouakchott, Mauritania	FX	6.0	Telcom
7498.6	USB	....	numerous, mostly east coast USA	FA/FC	1.0	USN
7500.0	AM	VNG	Lyndhurst, Australia	SS	10.0	TIME SIGNALS
7505.5	CW	NST	Thurso, Scotland	FX	....	USN (NOAA re-ports wx broadcasts at 0030, 0630, 1230 & 1900--also seasonal ice broadcasts at 0500 & 1700)
	CW	NAM	Norfolk Naval Radio, VA	FX	....	USN
7508.0	FAX	ZRO2	Pretoria (Jan Smuts), RSA	FX	3.5	Meteo
7514.8	CW	JMB2	Tokyo, Japan	FX	2.0	Tfc
7518.0	ISB	IRE25	Rome, Italy	FX	10.0	Telcom/Tfc
7519.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
7522.5	USB	....	Enköping, Sweden	FA	....
7527.0	USB	NMW39	Point Grenville, WA	FX	....	USCG
	USB	VAE2	Spring Island, BC, Canada	FX	....	Canadian CG
	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
7528.6	USB	....	Atlantic Area Emergency Net	FC/FX	....	USCG (Includes: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans; NMN, Ports-mouth, VA; NMR, San Juan and NOZ, Elizabeth City, NC)
	USB	....	Pacific Area Domestic Emergency Net	FC/FX	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NOJ, Kodiak, AK and NRV, Guam--all stations may also use CW & RTTY)
7530.0	USB	....	West Indies LORAN Net	FX	....	USCG (Includes: NMA, Miami, FL; NMA4, San Salvador (Watling) Is.; Bahamas; NMA5, South Caicos, Bahamas; NMA7, Jupiter, FL and NMR 14, Cape San Juan, PR)
7530.1	FAX	....	unknown, but in the USSR	FX	....
7532.0	CW	FSB55	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL
	CW	SHX	Stockholm, Sweden	FX	1.0	INTERPOL (This frequency may also be used by numerous other INTERPOL stations--see 10,390.0 kHz for a possible complete listing)
	USB	9HC32A	Malta, Malta	FX	10.0	Telcom
7533.5	CW/USB	....	numerous, mostly east coast USA	FA/FC	....	USN (Also RTTY)
7535.0	FAX	AXI33	Darwin, NT, Australia	FX	5.0	Meteo (Also CW)
7536.5	CW	DBV6	Berlin, GDR	FX	....	MFA/ZID Tfc
7541.5	ISB	ROK28	Moscow, USSR	FX	25.0	R. Moscow Feeder
7548.5	USB	RNN58	Moscow, USSR	FX	....	R. Moscow Feeder
7552.0	CW	5ST41	Tananarive, Madagascar	AX	0.5	Tfc
7553.5	USB	HVC	Vatican City	FX	2.0	Telcom
7558.5	USB	6VK27	Dakar, Senegal	FX	20.0	Telcom/Tfc
7570.0	CW	OZL40	Angmagssalik, Greenland	FC/FX	4.0	NOAA reports wx broadcasts at 0105, 0705, 1305 & 1905--seasonal ice broadcast at 1600
7571.5	LSB	TUP75	Abidjan, Ivory Coast	FX	20.0	Telcom
7575.0	CW	FDY5	Orleans, France	FX	....	French Air Force
7577.0	CW	FVA80	Rosny-sur-Bois, France	FX	....	Police
7580.0	CW	ELE7	Monrovia, Liberia	FX	15.0	Tfc
	AM	ELO7	Monrovia, Liberia	FX	2.5	Telcom
	USB	....	Marianas LORAN Net	FX	....	USCG (Includes: NRV, Barrigada, Guam; NRV2, Saipan Is.; NRV4, Anguar, Palau Is-lands and NRV7, Yap Island)
7587.5	FAX	6VY41	Dakar, Senegal	FX	5.0	Meteo (Also RTTY)
7589.0	CW	CSP40	Guarda, Portugal	FX/FA	....	Portuguese AF
7590.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
7593.5	USB	....	numerous, USA nationwide	FA/FC	....	USN
7600.0	AM	HD210A	Guayaquil, Ecuador	SS	....	TIME SIGNALS
	CW	ZLZ22	Wellington (Himatangi), New Zealand	FC/FX	5.0	NOAA reports wx broadcasts at 0200, 0805, 0815, 0840, 0910, 1400, 2005, 2015, 2040 & 2110 (Probably inactive)
7603.5	CW/RTTY	....	Federal Communications Commission Backup Net			
7605.0	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY
	USB	SAM38	Moscow, USSR	FX	1.0	Swedish EMBASSY
7626.0	CW	....	Central Africa	AX	0.5	Tfc (Net between Guinea, Mali & Upper Volta)
	FAX	AOK	Rota (Moron AB), Spain	FX	....	USN/Meteo
7630.0	ISB	JBE67	Tokyo, Japan	FX	10.0	Telcom/Tfc
7633.9	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
7636.5	USN	....	CAP National Calling & Working Frequency			
7640.0	CW	KWS78	Nicosia, Cyprus	FX	....	USA EMBASSY
7645.0	FAX	NPN	Barrigada (Agana NAS), Guam	FX	30.0	USN/Meteo
7646.0	CW	DDH7	Quickborn, GFR	FX	1.0	Tfc/Wx
7650.0	CW	OMZ23	Prague, Czechoslovakia	FX	....	Swiss EMBASSY
	ISB	FTH65	Paris (St. Assise), France	FX	20.0	Telcom (Also RTTY)
7651.0	LSB	....	Greenville, NC	FX	50.0	VOA Alternative Feeder to Europe
7652.0	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY
	CW	KWS78	Nicosia, Cyprus	FX	....	USA EMBASSY
7656.0	CW	"AT"	unknown, but in North America	FX	....	Beacon?
7685.5	USB	....	several, in western Australia	FX	....	Police Net
						(Also CW on 7660.0)
7660.0	CW	....	numerous, throughout Italy	FX	....	Tfc Net (Operated by the Italian Minister of the Interior)
7661.0	CW	CLN78	Havan (Bauta), Cuba	FX	20.0	Tfc to USSR
7662.0	CW	KWL90	unknown, probably in Far East	FX	....	USA EMBASSY
7665.0	AM	TIO2	Las Pavas, Costa Rica	FX	3.0	Telcom
7670.0	FAX	RCC76	Moscow, USSR	FX	15.0	Meteo
7693.0	CW	ONY27	Rouveroy, Belgium	FX	....	Belgium Army
7700.0	ISB	XTA77	Ouagadougou, Upper Volta	FX	20.0	Telcom/Tfc
7705.8	CW	NST	Thurso, Scotland	FX	....	USN
7706.0	CW	AOK	Rota (Moron AB), Spain	FX/FC	5.0	USN (NOAA re-ports wx broadcasts at 0030, 0630, 1230 & 1900--seasonal ice 0500 & 1700)
	CW	NAM	Norfolk Naval Radio, VA	FX/FC	....	USN (Parallel broadcasts to above)
	CW	NRK	Reykjavik, Iceland	FX/FC	....	USN (Parallel broadcasts to above)
7710.0	FAX	VFF	Frobisher CG Radio, NWT, Canada	FX/FC	2.5	Meteo (Seasonal)
7710.4	ISB	MKG	London (Stanbridge), England	FX	3.5	RAF Tfc
7719.0	CW	KNY23	Washington, DC	FX	1.0	Czech EMBASSY
7724.0	CW	KRH50	London, England	FX	....	USA EMBASSY
7732.5	CW	SMA7	Norrköping, Sweden	FX	2.5	NOAA reports wx broadcasts at 0848, 1148 & 2048--plus seasonal Baltic ice broadcasts
7737.0	CW/RTTY	SNN29	Warsaw, Poland	FX	....	EMBASSY
7739.9	ISB	9HC35	Malta, Malta	FX	6.0	Telcom/Tfc
7742.4	LSB	PDL37	Amsterdam (Kootwijk), Netherlands	FX	30.0	Telcom/Tfc
7745.0	ISB	NAW27	Guantanamo, Cuba	FX	....	Telcom/Tfc
7750.0	FAX	RAW78	Moscow, USSR	FX	15.0	Meteo
7756.5	LSB	NAW12	Guantanamo, Cuba	FX	....	Telcom/Tfc
7762.5	AM	....	western Africa	FA/AX	....	Ifc (Net between Cape Verde Islands, Guinea & Senegal)
7768.5	USB	....	Greenville, NC	FX	50.0	VOA Feeder
7770.0	FAX	KVM70	Honolulu (International), HI	AX	10.0	Meteo
7775.0	ISB	HLQ30	Seoul, S. Korea	FX	10.0	Telcom/Tfc
7776.5	ISB	CUA34	Lisbon (Alfragide), Portugal	FX	10.0	Telcom/Tfc
7777.0	CW	....	Central Africa	AX	1.0	Tfc (Net between Congo, Djibouti, Ivory Coast, Kenya, Upper Volta, etc.)
7778.2	CW	LMB7	Bergen, Norway	FC	0.5	NOAA reports wx broadcasts at 1305 & 2240
7788.0	CW	GFT27	Bracknell, England	FX	3.5	Tfc (Used for communications with Ocean Station Vessels--also on this frequency)
7800.0	ISB	....	Beijing, PRC	FX	....	R. Beijing Feeder
	CW/FAX	RTA25	Novosibirsk, USSR	FX	20.0	Tfc
7805.5	CW	FDY5	Orleans, France	FX	....	French Air Force
7810.0	ISB	TJF78	Douala, Cameroon	FX	2.0	Telcom/Tfc
7815.0	AM	CLN84	Havana (Bauta), Cuba	FX	20.0	Telcom
7817.0	CW/FAX	WFI27	New York, NY	FX	50.0	Tfc
7820.0	CW	FDI	Auxles-Milles, France	FX	....	French Air Force
7823.5	LSB	TUA47	Abidjan, Ivory Coast	FX	6.0	Telcom
7830.0	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY
7832.0	CW	FSB69	Paris (St. Martin Abbat), France	FX	3.0	INTERPOL
7836.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes: NRT, Totsuka, Japan; NRT2, Gesashi, Japan; NRT3, Iwo Jima, Japan; NRT9, Hokkaido, Japan; NRV, Barrigada, Guam; NRV6 Marcus Island and NRV7 Yap Island)

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
7845.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
	USB	....	Daventry, England	FX	30.0	BBC Feeder
	LSB	....	Hanoi, Vietnam	FX	....	Telcom
7853.5	LSB	TUP85	Abidjan, Ivory Coast	FX	6.0	Telcom
7860.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in GG
7865.0	ISB/CW	SOH58	Warsaw, Poland	FX	20.0	Telcom/Tfc
7872.0	CW	ONY27	Rouveroy, Belgium	FX	....	Belgium Army
7895.0	CW	FUF	Fort de France, Martinique	FX/FC	....	French Navy
7898.0	ISB	HZP789	Jiddah, Saudi Arabia	FX	2.5	Telcom/Tfc
7906.0	CW	FSB70	Paris (St. Martin Abbat), France	FX	3.0	INTERPOL
7918.5	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list of stations see 7836.6)
7920.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
7923.0	LSB	ROK22	Moscow, USSR	FX	20.0	R. Moscow Feeder
7935.0	ISB	CML23	Havana (Bauta), Cuba	FX	3.0	Telcom/Tfc
	CW	COY895	unknown, probably near Havana, Cuba	FX/FC	....	Russian Navy
7950.0	AM	....	unknown (± 10 kHz)	FC	....	NUMBERS in SS
7955.0	CW	HSA/HSJ	Bangkok, Thailand	FC	....	NOAA reports wx broadcasts at 0150 & 0750
7959.0	CW	....	numerous, obviously Mexican	FX	....	Tfc Net
7960.7	ISB	MKD	Akrotiri, Cyprus	FX	....	RAF
7970.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
7972.5	CW	SDU5	Varberg, Sweden	FX	7.0	Tfc (also RTTY)
7973.0	A3H	....	Daventry, England	FX	30.0	BBC Feeder
7975.0	CW	CVK79	Montevideo (Pajas Blancas), Uruguay	FX	14.0	Tfc (also RTTY)
7975.8	ISB	XVZ	Hanoi, Vietnam	FX	....	Telcom/Tfc
7984.0	ISB	ODF98	Beirut, Lebanon	FX	....	Telcom/Tfc
7991.0	LSB	....	Daventry, England	FX	30.0	BBC Feeder
8000.0	CW	JG2AE	Koganei, Japan	SS	....	TIME SIGNALS (aka JJY)
8005.0	AM	RCD33	Moscow, USSR	FX	20.0	R. Moscow Feeder (also RTTY)
8005.5	USB	VZLR	Australian, not in ITU files	AX/FX	....	Tfc
8006.2	ISB	HSD85	Bangkok, Thailand	AX	7.5	Tfc
8010.0	FAX	CUA37	Lisbon (Alfragide), Portugal	FX	10.0	
	CW/RTTY	....	worldwide	FC/FX	....	USN
8016.5	CW	YFA6	Makassar, Indonesia	FX/FC	1.0	Tfc
8018.0	FAX	OFB28	Helsinki, Finland	FX	5.0	Meteo
8020.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
8021.5	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: NCI, Simeri Crichi, Italy; NCI3, Lampedusa, Italy; NCI4, Kara- barun, Turkey and NC11, Sardinia)
8035.0	ISB	9VE27	Singapore, Singapore	AX	2.5	Tfc (also RTTY)
8035.5	USB	CXL21	Montevideo (Pajas Blancas), Uruguay	FX	2.5	Tfc (Time Signals)
8038.0	CW	FSB	Paris (St. Martin Abbat), France	FX	3.0	INTERPOL
	CW	HEP88	Zurich (Waltikon), Switzerland	FX	3.0	"
	CW	OEQ41	Vienna, Austria	FX	1.0	"
8040.0	FAX	GFA23	Bracknell, England	FX	2.0	Meteo
8045.0	AM/A3H	CSY37	Santa Maria, Azores	AX	3.0	Tfc
	CW	HEP85	Zurich (Waltikon), Switzerland	FX	3.0	INTERPOL (also RTTY)
	CW	OEQ41	Vienna, Austria	FX	1.0	" "
8048.0	CW	EBD	Cartagena Naval Radio, Spain	FX/FC	....	Spanish Navy
8055.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
8057.0	CW	ARN	Jinani Naval Radio, Pakistan	FX/FC	0.5	Pakistan Navy
8057.5	FAX	LM08	Oslo, Norway	FX/AX	0.5	Meteo
8058.5	USB	RAW71	Moscow, USSR	FX	20.0	Telcom
8063.5	ISB	HBX58	Geneva, Switzerland	FX	40.0	Telcom/Tfc
8063.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list of stations see 7836.6)
8065.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in GG
8067.0	ISB	....	Choshi, Japan	FX	2.0	Telcom/Tfc
8070.0	AM	....	Caribbean & South America	AX	....	Tfc Net in SS
8075.0	ISB	FTI9	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
8077.5	FAX	SMA8	Norrköping, Sweden	FX	2.5	Meteo
8080.0	FAX	NAM	Norfolk Naval Radio, VA	FX/FC	2.5	USN
8081.0	CW	SOI30	Warsaw, Poland	FX	20.0	Nx & Tfc

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
8083.5	USB	....	West Indies LORAN Net	FX	....	USCG (For list of stations see 7530.0)
8085.0	AM	ZPB80	Asuncion, Paraguay	FX	10.0	Telcom (Has been observed feeding Government announcements to outlying BC stations)
8088.0	FAX	JKE3	Tokyo, Japan	FX	5.0	
8090.0	CW	NAM	Norfolk Naval Radio, VA	FX/FC	1.0	USN (NOAA re-reports wx broadcasts at 0030, 0630, 1230 & 1900--seasonal ice at 0500 & 1700)
	CW	NGD	McMurdo Sound, Antarctica	FX/FC	3.0	USN
	CW	NSS	Washington (Annapolis, MD), DC	FX/FC	25.0	USN
8092.0	USB	AJO	Adana, Turkey	FX	0.5	USAF
8098.5	USB	YAK	Kabul, Afghanistan	FX	5.0	Telcom
8098.9	CW	MJF	unknown, probably in the Pacific	FX	....	Tfc
8100.0	FAX	NGR	Nea Makri, Greece	FX/FC	15.0	USN (also RTTY)
	FAX	AOK	Rota (Moron AB), Spain	FX/FC	....	USN
8106.5	LSB	ZFD36	Hamilton, Bermuda	FX	3.5	Telcom
8111.0	USB	....	Mediterranean LORAN Net	FX	....	USCG (For list of stations see 6943.5)
8115.0	CW	FKP46	Djibouti, Djibouti	AX	....	Tfc Net
	CW	60M	Mogadiscio, Somali	AX	....	Tfc Net (Part of a net of low power CW stations in this part of Africa)
8117.0	CW	BMB	Taipei, Taiwan	FX/FC	....	NOAA reports wx broadcasts at 1600 & 2200
8120.0	FAX	BAF36	Beijing, PRC	AX	....	Meteo
8125.0	ISB	RDZ79	Moscow, USSR	FX	15.0	R. Moscow Feeder
	USB	....	FAA Emergency Nationwide Net	AX	....
8130.0	CW	NPN	Barrigada (Agana NAS), Guam	FX/FC	5.0	USN/TIME SIGNALS
8132.0	CW	LMT	Tromso Naval Radio, Norway	FX/FC	0.3	Norwegian Navy
			(Net of naval stations at Hopen, Jan Mayen & Stavanger)			
8143.8	CW	"K"	unknown	RC	....	Beacon?
8146.6	FAX	IMB54	Rome, Italy	AX	1.0	Italian Air Force
8148.0	CW	OVG8	Frederikshaven, Denmark	FX	5.0	Danish Marine
8150.0	CW	NPN	Barrigada (Agana NAS), Guam	FX/FC	1.0	USN (NOAA re-ports wx broadcasts at 0400, 1300, 1700 & 2300)
8154.8	ISB	MKD	Akrotiri, Cyprus	FX	3.5	RAF Tfc
8160.0	FAX	VFE	Edmonton, Alta., Canada	FX	5.0	Meteo
8163.0	ISB	HXX21	Paris, France	AX	15.0	Meteo (also RTTY)
8165.0	USB	VNZ	Port Augusta, SA, Australia	FX	0.3	Outpost
8167.5	CW	LQB9	Buenos Aires (San Martin), Argentina	FX	5.0	TIME SIGNALS
8175.0	USB	....	unknown (±10 kHz)	FX	....	NUMBERS in EE
8185.0	ISB	FPI88	Paris, France	AX	10.0	Tfc (also RTTY)
8190.0	CW	....	Mostly east coast of the USA	FC/FX	....	USN (also RTTY)
			(Possibly some USB on carrier frequency of 8188.6)			
8194.0	CW	XVS37	Ho Chi Minh-Ville, Viet Nam	FC	....	NOAA reports wx broadcasts at 1620 & 2320

8195.0-8815.0 kHz - Maritime Mobile (Worldwide)

8195.0	CW	LOK	Orcadas, S. Orkney Islands	FC	0.2	NOAA reports wx broadcast (October-March) at 1625
	CW	TBA3	Izmir Naval Radio, Turkey	FC	....	Turkist Navy
8210.0	ISB	....	Moscow, USSR	FX	....	R. Moscow Feeder
8213.6	USB	WCM	Pittsburgh, PA	FC/MS	0.8	Inland Waterway Temporary FCC assignment
8241.5	USB	....	numerous	MS	....	USCG
8257.0	AM/USB		International Calling Frequency	MS		
8281.2	USB	....	numerous	FC/MS	....	NOAA
8291.1	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	....	USCG (Includes: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak, AK & NRV, Barrigada, Guam)
	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Includes KBQ, Miami, FL; KED, New Orleans, LA; KHT, Cedar Rapids, IA; KMB, Houston, TX; KNB304, Morgan City, LA; KRM, Port Arthur, TX; KXW, Anchorage, AK; KYV, Arecibo, PR; KZN, Miami, FL; WGW, San Juan, PR; WJK, Jacksonville, FL, etc., including many oil rigs

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
8294.2	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	....	USCG (Includes: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak, AK & NRV, Barrigada, Guam
	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Similar use & stations as 4143.6; 6218.6; 6221.6 and 8291.4. Also monitored are KFN540, Port Arthur, TX; KLB, Houston, TX; KMB, Houston, TX; KRM, Port Arthur, TX; KZN, Miami, FL; KZU, Harvey, LA; WJD, Tampa, FL; WJK, Miami, FL; WKC, St. Petersburg, FL, etc., including many oil rigs
8364.0	CW/MCW		INTERNATIONAL EMERGENCY FREQUENCY FOR SURVIVAL AIRCRAFT			USCG
8410.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
8415.0	CW	....	numerous, international waters	MS	....	USSR Navy
8436.0	CW	UCO	Ialta Radio, USSR	FC	1.0	
8437.0	CW	OFJ	Helsinki Radio, Finland	FC	10.0	
	CW	PKC	Palembang Radio, Indonesia	FC	1.0	
8437.0	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
8437.1	CW	4XZ	Haifa Naval Radio, Israel	FC	....	Israel Navy
8439.1	CW	PBC3	Goeree Naval Radio, Netherlands	FC	....	Dutch Navy
8440.0	CW	VCS	Halifax CG Radio, Canada	FC	1.0	AMVER
	CW	YIR	Basrah Control, Iraq	FC	1.0	
8440.6	CW	UAT	Moscow Radio, USSR	FC	10.0	
8441.0	CW	C6N	Nassau Radio, Bahamas	FC	0.5	
	CW	CYR7	Rangoon Radio, Burma	FC	1.0	
	CW	C5G	Banjul Radio, Gambia	FC	1.0	
	CW	5OW	Lagos Radio, Nigeria	FC	....
8441.4	CW	A9M	Bahrain Radio, Bahrain	FC	2.0	
	CW	7OA	Aden Radio, Democratic Yemen	FC	2.0	
	CW	5ZF2	Mombasa Radio, Kenya	FC	1.5	
	CW	9HD	Malta Radio, Malta	FC	1.0	
8443.0	CW	VFF	Frobisher CG Radio, Canada	FC	1.0	
	CW	DHS	Rügen Radio, GDR	FC	5.0	
8445.0	CW	PKK	Kupang Radio, Indonesia	FC	1.0	
	CW	PKO	Tarakan Radio, Indonesia	FC	0.3	
	CW	PKR3	Cilacap Radio, Indonesia	FC	1.0	
	CW	PKT	Dili Radio, Indonesia	FC	1.0	
	CW	XSX	Keelung Radio, Taiwan	FC	5.0	NOAA reports wx broadcasts at 0430, 1030, 1630 & 2230
	CW	KFS	San Francisco Radio, CA	FC	10.0	NOAA reports wx broadcasts at 0420, 1620, 2200 & 2300
	CW	YUR4	Rijeka Radio, Yugoslavia	FC	6.0	
	CW	A4M	Muscat Radio, Oman	FC	1.0	
	CW	S7Q	Seychelles Radio, Seychelles	FC	1.0	
8445.5	CW	WLO	Mobile Radio, AL	FC	20.0	
8446.0	CW	UFM3	Nevelski-I Radio, USSR	FC	5.0	
	CW	UQK	Riga Radio, Latvian SSR	FC	5.0	
8447.0	CW	....	numerous, waters around Argentina	FS	1.0	SECOSENA (Includes: LSC4, Ushuaia Radio; LSG4, Rio Gallegos Radio; LSM44, Comordo Rivadavia Radio; LSN37, Mar del Plata Radio and LSO5, Buenos Aires Radio)
	CW	EBA	Madrid Radionaval Radio, Spain	FC	....	Spanish Navy
8448.0	CW	A9M	Bahrain Radio, Bahrain	FC	2.0	
8449.0	CW	TJC7	Douala Radio, Cameroon	FC	0.8	
	CW	ZKR	Rarotonga Radio, Cook Islands	FC	1.0	
	CW	8RB	Demerara Radio, Guyana	FC	1.0	
	CW	9VG20	Singapore Radio, Singapore	FC	2.0	
8449.3	CW	8PO	Barbados Radio, Barbados	FC	1.0	
	CW	VRT	Bermuda Radio, Bermuda	FC	1.0	
8450.0	ISB	....	Beijing, PRC	FX	....	R. Beijing Feeder
	CW	NMF	Boston CG Radio, MA	FC	10.0	USCG
	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
8451.0	CW	HAR	Budapest Naval Radio, Hungary	FC	1.0	
	CW	XSG4	Shanghai Radio, PRC	FC	15.0	
8451.5	CW	CTP	Oeiras Naval Radio, Portugal	FC	....	Portuguese Navy & NATO
8452.0	CW	VIS35	Sydney Radio, Australia	FC	2.5	AMVER

Maritime Mobile (con.)

Khz	Mode	Call	Location	Service	kW	Remarks
8453.0	CW	VAI	Vancouver CG Radio, Canada	FC	1.0	AMVER (NOAA re-ports broadcasts at 0130, 0530 & 1730)
	CW	CBM	Magallanes Radio, Chile	FC	0.5	
	CW	TNA8	Pointe-Noire Radio, Congo	FC	2.0	
	CW	XSM	Xiamen Radio, PRC	FC	0.2	
	CW	YIR	Basrah Control, Iraq	FC	1.0	
8453.2	CW	HWN	Paris, France	FC	....	French Navy
8454.0	CW	A9M	Bahrain Radio, Bahrain	FC	2.0	
8454.5	CW	SVG4	Athens Radio, Greece	FC	5.0	
8455.0	CW	XSQ	Guangzhou Radio, PRC	FC	1.0	
	CW	YVG	La Guaira Radio, Venezuela	FC	0.3	
8456.0	CW	ROT	Moscow, USSR	FC	10.0	Russian Navy
8457.0	CW	LSA4	Boca Radio, Buenos Aires, Argentina	FC	1.0	
	CW	XSP	Shantou Radio, PRC	FC	1.0	
	CW	OFJ2	Helsinki Radio, Finland	FC	10.0	
	CW	PKP	Dumai Radio, Indonesia	FC	1.0	
8458.0	CW	HAR	Budapest Naval Radio, Hungary	FC	0.5	
	CW	ZRQ	Simonstown Naval Radio, RSA	FC	....	RSA Navy
8459.0	CW	NMF	Boston CG Radio, MA	FC	10.0	USCG/AMVER
	CW	NMR	San Juan CG Radio, PR	FC	10.0	USCG (Also RTTY)
	CW	NST	Thurso, Scotland	FC	....	USN
8460.0	CW	OSN46	Oostende Naval Radio, Belgium	FC	....	Belgium Navy
	CW	PPJ	Junçao Radio, Brazil	FC	1.0	
	CW	LZW4	Varna Radio, Bulgaria	FC	5.0	
	CW	UJY	Kaliningrad Radio, USSR	FC	....
8460.4	CW	PPL	Belém Radio, Brazil	FC	1.0	
	CW	PKD	Surabaya Radio, Indonesia	FC	1.0	
8461.0	CW	CUG	Sao Miguel Radio, Azores	FC	2.5	
	CW	CBA3	Antofagasto Radio, Chile	FC	0.5	
	CW	PKR	Semarang Radio, Indonesia	FC	0.3	
	CW	PKY4	Sorong Radio, Indonesia	FC	0.3	
	CW	JJF	Tokyo Radio, Japan	FC/FX	4.0	(Also RTTY)
	CW	CUB	Madeira Radio, Madeira Islands	FC	1.0	
	CW	ZSC4	Cape Town Radio, RSA	FC	10.0	NOAA reports wx broadcasts at 0930 & 1730
	CW	FJA8	Mahina Radio, Tahiti	FC	1.0	
	CW	YVG	La Guaira Radio, Venezuela	FC	0.3	
8461.2	CW	GYA	Whitehall (London) Naval R., England	FC	....	British Navy
8463.0	CW	KNK	Vancouver Forces Radio, Canada	FC	10.0	Canadian Navy
	CW	DHS	Rügens Radio, GDR	FC	5.0	
	CW	JOU	Nagasaki Radio, Japan	FC	10.0	
8465.0	CW	5BA	Nicosia Radio, Cyprus	FC	10.0	
	CW	TUA4	Abidjan Radio, Ivory Coast	FC	4.0	
	CW	6YI	Kingston Jamaica Radio	FC	1.0	
	CW	5RS8	Tamatave Radio, Madagascar	FC	2.0	
	CW	EBA	Madrid Radionaval Radio, Spain	FC	....
	CW	NMN	Portsmouth CG Radio, VA	FC	3.0	USCG/AMVER
8466.0	CW	UJY	Kaliningrad Radio, USSR	FC	5.0	
8467.5	CW/FAX	JJC	Tokyo Radio, Japan	FC	10.0	
8468.9	CW	GKR	Wick Radio, England	FC	0.3	
8469.0	CW	CUG	Sao Miguel Radio, Azores	FC	2.5	
	CW	D4A6	Sao Vicente Radio, Cape Verde Is.	FC	0.5	
	CW	D4D	Praia de Cabo Verde Radio	FC	1.0	
	CW	CQF	Bissau Radio, Guinea-Bissau	FC	0.8	
	CW	EQI	Abbas Radio, Iran	FC	1.0	
	CW	XXG	Macao Radio, Macao	FC	0.3	
	CW	CUB	Madeira Radio, Madeira Is.	FC	1.0	
	CW	CUL8	Lisbon Radio, Portugal	FC	10.0	
	CW	FFD	St. Denis Radio, Reunion	FC	2.0	
8470.0	CW	EPC	B. Abbas Naval Radio, Iran	FC	10.0	Iranian Navy
	CW	ZRQ4	Simonstown Naval Radio, RSA	FC	....	RSA Navy
	CW	XVG9	Haiphong Radio, Vietnam	FC	1.0	
8471.0	CW	EQZ	Abadan Radio, Iran	FC	0.5	
	CW	NMR	San Juan CG Radio, PR	FC	3.0	USCG/AMVER
8471.7	CW	SUP	Port Said Radio, Egypt	FC	2.0	
8473.0	CW	PKA	Sabang Radio, Indonesia	FC	1.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
8473.0	CW	PKE	Amboina Radio, Indonesia	FC	1.0	
	CW	PKS	Pontianak Radio, Indonesia	FC	0.3	
	CW	HLG	Seoul Radio, S. Korea	FC	....
	CW	HLP	Pusan Radio, S. Korea	FC	3.0	
	CW	4PB	Colombo Radio, Sri Lanka	FC	1.0	TIME SIGNALS/Tfc
				(NOAA reports wx broadcast at 1330)		
	CW	EAF3	Vigo Radio, Spain	FC	0.8	AMVER
	CW	EAT3	Santa Cruz de Tenerife R., Canary Is.	FC	0.8	AMVER
	CW	WPD	Tampa Radio, FL	FC	0.4	
8474.5	CW	WLO	Mobile Radio, AL	FC	20.0	NOAA reports wx broadcasts at 1300 & 2300
8475.5	CW	FUF	Fort de France, Martinique	FC	10.0	French Navy
	CW	FUG	La Regine (Castelnaudary), France	FC	10.0	" "
	CW	FUX	Le Port Radio, Reunion	FC	10.0	" "
8476.0	CW	HCG	Guayaquil Radio, Ecuador	FC	0.3	AMVER
	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
	CW	9VG56	Singapore Radio, Singapore	FC	3.0	
8477.0	CW	HWN	Paris, France	FC	....	French Navy
8478.0	CW	VHP4	Canberra (Belconnen) Naval R., Australia	FC	...	Australian Navy
	CW	VIX4	Master Station Canberra, Australia	FC	20.0	
				(NOAA reports wx broadcasts at 0130, 0530, 0930, 1330 & 2130)		
	CW	OST4	Oostende Radio, Belgium	FC	10.0	
	CW	CBA4	Arica Radio, Chile	FC	0.5	
	CW	CBV2	Valparaiso Radio, Chile	FC	1.0	
	CW	TIM	Limón Radio, Costa Rica	FC	3.0	
8478.4	CW	FUF	Fort de France, Martinique	FC	10.0	French Navy
	CW	FUG	La Regine (Castelnaudary), France	FC	10.0	French Navy
8479.0	CW	JCU	Choshi Radio, Japan	FC	10.0	
	CW	HLJ	Seoul Radio, S. Korea	FC	....
8480.0	CW	PWI	Recife Radio, Brazil	FC	2.0	
	CW	PWN	Natal Radio, Brazil	FC	2.0	
	CW	PWP	Florianopolis Radio, Brazil	FC	2.0	
	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
	CW	XUK3	Kompong Som-Ville Radio, Kampuchea	FC	0.3	
	CW	5AL	Tobruk Radio, Libya Radio	FC	0.5	
	CW	HZY	Ra's Tannurah Radio, Saudi Arabia	FC	3.0	NOAA reports wx broadcast at 0430
	CW	ZSC22	Cape Town Radio, RSA	FC	10.0	
8481.0	CW	VIS28	Sydney Radio, Australia	FC	10.0	
	CW	IDR3	Rome Naval Radio, Italy	FC	....	Italian Navy
8482.0	CW	OMP	Prague Radio, Czechoslovakia	FC	1.0	
	CW	SPA4	Gdynia Radio, Poland	FC	10.0	
8483.5	CW	DAN	Norddeich Radio, GFR	FC	5.0	
8484.0	CW	XSE	Chinwangtao Radio, PRC	FC	1.0	
	CW	DHS	Rügen Radio, GDR	FC	3.0	
8484.4	CW	HLF/HLG	Seoul Radio, S. Korea	FC	....
8485.0	CW	4XO	Haifa Radio, Israel	FC	2.5	
	CW	UFN	Novorossiysk Radio, USSR	FC	5.0	
8486.0	CW	WOE	Lantana Radio, FL	FC	3.0	
	CW	IDQ4	Rome Naval Radio, Italy	FC	10.0	Italian Navy
				(NOAA reports wx broadcasts at 0500, 0830, 1800 & 2100)		
8487.0	CW	XSG4	Shanghai Radio, PRC	FC	1.5	
8489.0	CW	CLS	Havana (La Fe Prairie) Radio, Cuba	FC	5.0	
8490.0	USB	....	Beijing, PRC	FX	....	R. Beijing Feeder
	CW	XSQ4	Guangzhou Radio, PRC	FC	2.0	
	CW	JJI	Sasebo Hario Radio, Japan	FC	1.0	
	CW	AQP3	Karachi Naval Radio, Pakistan	FC	7.0	Pakistan Navy
	CW	CUL7	Lisbon Radio, Portugal	FC	10.0	
8492.0	CW	PPR	Rio Radio, Brazil	FC	1.0	
8493.2	CW	GYA	Whitehall (London) Naval R., England	FC	....	British Navy
8494.8	FAX	GZZ40	Whitehall (Northwood), England	FC	....	Meteo/Br. Navy
8495.0	CW	ARRH	Gwadar Naval Radio, Pakistan	FC	6.0	Pakistan Navy
8496.0	CW	CLA20	Havana (Cojimar) Radio, Cuba	FC	5.0	
	CW	5OZ23	Port Harcourt Radio, Nigeria	FC	1.0	
	CW	....	several, in the USA	FC/MS	....	US Corps of Engineers

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
8496.5	CW	GKS4	Portishead, Radio, England	FC	10.0	(Mostly RTTY)
8497.3	CW	GYA	Whitehall (London) Naval R., England	FC	....	British Navy
8498.0	CW	SAQ4	Göteborg Radio, Sweden	FC	5.0	AMVER
8500.1	FAX	NIK	Boston CG Radio, MA	FC	10.0	USCG (Gives ice pictures seasonally at 1600)
8501.2	CW	GLO20	Whitehall (London) Naval R., England	FC	5.0	British Navy
8502.0	CW	PPL	Belém Radio, Brazil	FC	1.0	
	CW	XSG	Shanghai Radio, PRC	FC	5.0	TIME SIGNALS
			(NOAA reports wx broadcasts at 0306 & 0906)			
	FAX	GZZ	Whitehall (Northwood), England	FC	5.0	British Navy
	CW	IQX	Trieste P.T. Radio, Italy	FC	6.0	
	CW	YJM8	Port Vila Radio, New Hebrides	FC	0.5	
	CW	ZSC37	Cape Town Radio, RSA	FC	10.0	
	CW	WMH	Baltimore Radio, MD	FC	0.8	
	CW	NIK	Boston CG Radio, MA	FC	10.0	USCG (Gives ice information seasonally at 0018 & 1218)
8504.0	CW	ZLB4	Awarua Radio, New Zealand	FC	5.0	AMVER
8506.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
8507.0	CW	CCM	Magallenes Naval Radio, Chile	FC	....	Chilean Navy
8510.0	CW	J2A8	Djibouti Radio, Djibouti	FC	1.0	
	CW	FFS4	St. Lys Radio, France	FC	10.0	
8512.0	CW	DAL	Norddeich Radio, GFR	FC	5.0	
8513.5	CW	XSQ4	Guangzhou Radio, PRC	FC	2.0	
8514.0	CW	VWB	Bombay Radio, India	FC	2.5	NOAA reports wx broadcasts at 0048, 0448, 0848, 1248, 1648 & 2048
	CW	WSL	Amagansett Radio, NY	FC	20.0	NOAA reports wx broadcasts at 0500, 1100, 1700 & 2300
8514.1	CW	PBC98	Goeree Naval Radio, Netherlands	FC	....	Dutch Navy
8514.3	CW	XFA	Acapulco Radio, Mexico	FC	0.5	
	CW	XFL	Mazatlan Radio, Mexico	FC	0.5	
	CW	XFU	Veracruz Radio, Mexico	FC	0.5	
8515.0	CW	5AT	Tripoli Radio, Libya	FC	10.0	
	CW	P2M	Port Moresby Radio, Papua New Guinea	FC	1.0	
	CW	P2R	Rabaul Radio, Papua New Guinea	FC	1.0	
	CW	UFL	Vladivostok Radio, USSR	FC	10.0	
	CW	MUMV	Murmansk Radio, USSR	FC	15.0	
8516.0	CW	CLS	Havana (La Fe Prairie) Radio, Cuba	FC	5.0	
	CW	GKC4	Portishead Radio, England	FC	10.0	
8517.5	CW	IDR4	Rome Naval Radio, Italy	FC	0.6	Italian Navy
8518.0	CW	ELC	Monrovia Radio, Liberia	FC	2.5	
8520.0	CW	PPO	Olinda Radio, Brazil	FC	1.0	
8521.0	CW	VIS26	Sydney Radio, Australia	FC	2.5	AMVER
8522.0	CW	9WW20	Kuching Radio, Malaysia	FC	0.8	
8522.5	CW	FFL4	St. Lys Radio, France	FC	10.0	
8523.4	CW	JOR	Nagasaki Radio, Japan	FC	10.0	
8525.0	CW	9KK6	Kuwait Radio, Kuwait	FC	5.0	
	CW	WNU	Slidell Radio, LA	FC	3.0	
8526.0	CW	LPD52	Gen. Pacheco Radio, Argentina	FC	10.0	
	CW	VVC	Calcutta Radio, India	FC	2.5	NOAA reports wx broadcast at 1520
	CW	JMC	Tokyo Radio, Japan	FC	4.0	NOAA reports wx broadcasts at 0318, 0918, 1518 & 2118
8526.0	CW	CTV	Monsanto Naval Radio, Portugal	FC	....	NOAA reports wx broadcasts at 0800, 0550, 1145, 1745, 2000 & 2345
	FAX	CTW8	Monsanto Naval Radio, Portugal	FC	....	Portuguese Navy
8527.5	CW	LFN	Rogaland Radio, Norway	FC	5.0	AMVER
8528.0	CW	LSO3	Buenos Aires Radio, Argentina	FC	1.0	
8530.0	CW	PWZ	Rio de Janeiro Radio, Brazil	FC	10.0	BN/USN
	CW	SVJ4	Athens Radio, Greece	FC	5.0	
	CW	IAR28	Rome P.T. Radio, Italy	FC	7.0	NOAA reports wx broadcasts at 0700 & 1900
8532.0	CW	LZW42	Varna Radio, Bulgaria	FC	5.0	
8534.0	CW	JGC	Yokohama Radio, Japan	FC	1.0	
	CW	ARL71	Karachi Naval Radio, Pakistan	FC	10.0	Pakistan Navy
8534.9	CW	UFW	Vladivostok Radio, USSR	FC	1.0	
8535.0	CW	ESF	Tallinn Radio, Latvian SSR	FC	....

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
8536.5	CW	SVD4	Athens Radio, Greece	FC	5.0	
8539.0	CW	VPS35	Cape D'Aguilar Radio, Hong Kong	FC	3.0	TIME SIGNALS
			(Also RTTY) (NOAA reports wx broadcasts at 0118, 0430, 0818 & 1318)			
8540.0	CW	PJK3	Suffisant Dorp, Netherlands Antilles	FC	10.0	Dutch Navy
8540.5	CW	UBN	Jdanov, Dometskoi Radio, USSR	FC	5.0	
8541.0	CW	CLA	Havana (Cojimar) Radio, Cuba	FC	5.0	
8542.0	CW	9GA	Takoradi Radio, Ghana	FC	10.0	
	CW	PKI	Jakarta Radio, Indonesia	FC	2.0	TIME SIGNALS/Tfc
8545.0	CW	UQK2	Riga Radio, Latvian SSR	FC	5.0	
8545.9	CW	GKA4	Portishead Radio, England	FC	10.0	NOAA reports wx broadcasts at 0930 & 2130
8546.0	CW	XST	Qingdao Radio, PRC	FC	5.0	
	CW	ARL	Karachi Naval Radio, Pakistan	FC	10.0	Pakistan Navy
	CW	XSY	Hualien Radio, Taiwan	FC	2.5	
	CW	KLB	Seattle Radio, WA	FC	3.5	
8547.5	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
8548.0	CW	PFO	Olinda Radio, Brazil	FC	1.0	
8549.7	CW	FUX	Le Port Radio, Reunion	FC	5.0	French Navy
8550.0	CW	PWZ	Rio de Janeiro Radio, Brazil	FC	2.0	BN/USN
	CW	FFS4	St. Lys Radio, France	FC	10.0	
	CW	WPA	Port Arthur Radio, TX	FC	3.0	
	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
8551.5	CW	CTP	Oeiras Naval Radio, Portugal	FC	5.0	Portuguese Navy/NATO
8552.0	CW	GKK4	Portishead Radio, England	FC	10.0	
8554.0	CW	GZ04	Hong Kong Naval Radio, Hong Kong	FC	5.0	British Navy
	CW	FUF	Fort de France, Martinique	FC	10.0	French Navy
	CW	3BA4	Mauritius Radio, Mauritius	FC	5.0	
8555.0	CW	UFH	Petropavlovsk Radio, USSR	FC	5.0	
	CW	DZG	Manila Radio, Philippines	FC	5.0	
8555.3	CW	DZP	Novaliches Radio, Philippines	FC	3.0	
8557.0	CW	SPE4	Szezecin Radio, Poland	FC	10.0	
	CW	UGH2	Juzno-Sakhalinsk-I Radio, USSR	FC	5.0	
8557.9	CW	GKB4	Portishead Radio, England	FC	10.0	
8558.0	CW	CCV6	Valparaiso Naval Radio, Chile	FC	....	Chilean Navy/TIME SIGNALS/Tfc (NOAA reports wx broadcasts at 1430 & 2030)
8558.4	CW	KFS	San Francisco Radio, CA	FC	20.0	(Also RTTY)
8562.0	CW	PCH40	Scheveningen Radio, Netherlands	FC	3.0	AMVER
8564.0	CW	LZL4	Bourgas Radio, Bulgaria	FC	5.0	
8565.0	CW	D3E	Luanda Radio, Angola	FC	1.0	
8566.0	CW	VTF5	Bombay Naval Radio, India	FC	....	Indian Navy
	CW	ZSJ4	Cape (Silvermine) Naval Radio, RSA	FC	5.0	RSA Navy/AMVER
8567.9	CW	FUV	Djibouti Naval Radio, Djibouti	FC	....	French Navy
8568.0	CW	DZR	Manila (Bulacan) Radio, Philippines	FC	5.0	NOAA reports wx broadcast at 0120
8568.5	CW	XFM	Manzanillo Colimas Radio, Mexico	FC	0.5	
8568.7	CW	GKD4	Portishead Radio, England	FC	10.0	
8570.0	CW	WNU	Slidell Radio, LA	FC	3.0	NOAA reports wx broadcasts at 0430 & 1630
	CW	UPB	Providenia Bukhta Radio, USSR	FC	10.0	
	CW	XVT5	Danang Radio, Viet Nam	FC	1.0	
8571.0	CW	UFN	Novorossiysk Radio, USSR	FC	5.0	
8572.0	CW	5TA	Nouadhibou Radio, Mauritania	FC	1.0	
8572.8	CW	DZD	Mandaluyong Radio, Philippines	FC	0.8	
8573.0	CW	CLA	Havana (Cojimar) Radio, Cuba	FC	5.0	
8573.5	CW	HSA4	Bangkok Radio, Thailand	FC	5.0	
8574.0	CW	LGB	Rogaland Radio, Norway	FC	5.0	
	CW	NMC	San Francisco CG Radio, CA	FC	10.0	USCG/AMVER
8574.2	CW	HKC3	Buenaventura Radio, Colombia	FC	0.5	
8575.0	CW	URD	Leningrad Radio, USSR	FC	5.0	
8576.5	CW	ZSD45	Durban Radio, RSA	FC	3.5	NOAA reports wx broadcasts at 0950 & 1705
8577.0	CW	HLO	Seoul Radio, S. Korea	FC	....
	CW	DZZ	Manila Radio, Philippines	FC	0.1	
8577.9	CW	TFA	Reykjavik Radio, Iceland	FC	1.5	
8578.0	CW	SUH3	Alexandria Radio, Egypt	FC	3.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
8580.0	CW	DZO	Manila (Bulacan) Radio, Philippines	FC	2.0	NOAA reports wx broadcasts at 1030 & 2330
8580.5	CW	GKN4	Portishead Radio, England	FC	10.0	
8581.6	CW	GKM4	Portishead Radio, England	FC	10.0	
8582.0	CW	XSW	Kao-Hsiung Radio, Taiwan	FC	1.0	NOAA reports wx broadcasts at 1100 & 2300
	CW	KLB	Seattle Radio, WA	FC	3.5	
8582.5	CW	GK04	Portishead Radio, England	FC	10.0	
8584.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
	CW	VPS36	Cape D'Aguilar Radio, Hong Kong	FC	1.0	
	CW	DZN	Manila (Novatas) Radio, Philippines	FC	3.0	
8585.0	CW	KUQ	Pago Pago Radio, American Samoa	FC	2.5	NOAA reports wx broadcasts at 0400 & 2000
8586.0	CW	WCC	Chatham Radio, MA	FC	20.0	
8588.0	CW	DZG	Manila (Las Piñas) Radio, Philippines	FC	5.0	NOAA reports wx broadcasts at 0320 & 1520
8590.0	CW	XVS8	Ho Chi Minh-Ville, Viet Nam	FC	1.0	NOAA reports wx broadcast at 1148
	CW	KOK	Los Angeles Radio, CA	FC	15.0	NOAA reports wx broadcasts at 0450 & 1650
8591.4	CW	GKG4	Portishead Radio, England	FC	10.0	
8593.0	CW	UFB	Odessa Radio, USSR	FC	5.0	
8594.8	CW	DZK	Manila (Bulacan) Radio, Philippines	FC	2.0	
8595.0	CW	UHK	Batumi Radio, USSR	FC	5.0	
8597.0	CW	VIP3	Perth Radio, Australia	FC	10.0	AMVER (NOAA re- ports wx broadcasts at 0100 & 1200)
8598.0	CW	XSL	Fuzhou Radio, PRC	FC	1.0	
	CW	CKN	Vancouver Military Radio, Canada	FC	10.0	RC Navy
	CW	OXZ4	Lyngby Radio, Denmark	FC	10.0	
8598.6	CW	ZLO4	Irirangi Naval Radio, New Zealand	FC	7.5	RNZ Navy
8600.0	CW	XSV	Tianjin Radio, PRC	FC	4.0	
8601.5	CW	HEB	Berne Radio, Switzerland	FC	10.0	
8602.0	FAX	CCS	Santiago Naval Radio, Chile	FC	....	Chilean Navy
	CW	CWA	Montevide (Cerrito) Radio, Uruguay	FC	10.0	
8604.0	CW	GKH4	Portishead Radio, England	FC	10.0	
8605.0	CW	ZRH4	Cape (Fisantekraal) Naval R., RSA	FC	10.0	RSA Navy
8606.0	CW	GKI4	Portishead Radio, England	FC	10.0	
8607.0	CW	LZW43	Varna Radio, Bulgaria	FC	5.0	
	CW	UBN	Jdanov, Donetskoi Radio, USSR	FC	5.0	
8609.5	CW	9VG73	Singapore Radio, Singapore	FC	5.0	
8610.0	CW	UXN	Arkhangelsk Radio, USSR	FC	10.0	
8613.2	CW	GYA	Whitehall (London) Naval R., England	FC	10.0	British Navy (aka GYC & GLO20)
8614.0	CW	CKN	Vancouver Forces Radio, Canada	FC	10.0	NOAA reports wx broadcasts at 0000, 0430 & 1330
	CW	XSJ	Tsamkong Radio, PRC	FC	2.0	
	CW	NBA	Balboa Naval Radio, Canal Zone	FC	1.0	USN/AMVER
8615.0	CW	UDH2	Riga Radio, Latvian SSR	FC	5.0	
8615.5	CW	WPD	Tampa Radio, FL	FC	0.4	NOAA reports wx broadcasts at 1420 & 2020
8616.0	CW	HAR3	Budapest Naval Radio, Hungary	FC	1.0	
8618.0	CW	ETC	Assab Radio, Ethiopia	FC	2.0	
	CW	VTP3	Vishakhapatnam Naval Radio, India	FC	....	Indian Navy
	CW	EDZ4	Aranjuez Radio, Spain	FC	2.0	
	CW	KPH	San Francisco Radio, CA	FC	20.0	(Also RTTY)
8619.0	CW	VRN35	Cape D'Aguilar Radio, Hong Kong	FC	3.0	(Also RTTY)
8620.0	CW	UBN	Jdanov, Donetskoi Radio, USSR	FC	5.0	
8622.0	CW	PCH44	Scheveningen Radio, Netherlands	FC	10.0	AMVER
8624.0	CW	XSQ	Guangzhou Radio, PRC	FC	2.0	
8625.2	CW	GYU4	Gibraltar Naval Radio, Gibraltar	FC	10.0	British Navy
8626.0	CW	OXZ41	Lyngby Radio, Denmark	FC	10.0	(Also RTTY)
	CW	FUG	La Regine (Castelnaudary), France	FC	....	French Navy
	CW	PKC2	Plaju Radio, Indonesia	FC	1.0	
	CW	PKI2	Jakarta Radio, Indonesia	FC	1.0	
	CW	PKN7	Bontang Radio, Indonesia	FC	1.0	
8626.4	CW	9MB2	Penang Radio, Malaysia	FC	1.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
8627.5	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
	CW	OMP4	Prague Radio, Czechoslovakia	FC	1.0	
8628.0	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
8628.5	CW	NOJ	Kodiak CG Radio, AK	FC	5.0	AMVER
8630.0	CW	VWB	Bombay Radio, India	FC	2.5	
	CW	WCC	Chatham Radio, MA	FC	20.0	
8634.0	CW	PPR	Rio de Janeiro Radio, Brazil	FC	1.0	TIME SIGNALS/Tfc
	CW	VTG6	Bombay Naval Radio, India	FC	....	Indian Navy
	CW	SPH4	Gydnia Radio, Poland	FC	10.0	
	CW	CQK	Sao Tomé R., Sao Tomé e Principe	FC	0.5	
8635.0	CW	UJQ2	Kiev-I Radio, USSR	FC	15.0	
8636.1	CW	HLW	Seoul Radio, S. Korea	FC	....
8638.5	CW	DAM	Nordeich Radio, GFR	FC	10.0	TIME SIGNALS/Tfc
8639.0	CW	9MG3	Penang Radio, Malaysia	FC	1.0	
8640.0	CW	XSK4	Haimen Radio, PRC	FC	0.5	
8640.2	CW	EBA	Madrid Radionaval Radio, Spain	FC	1.0	Spanish Navy
8641.2	CW	GYA	Whitehall (London) Naval R., England	FC	....	British Navy
8642.0	CW	D4A7	Sao Vicente Radio, Cape Verde Is.	FC	3.0	
	CW	CTV8	Monsanto Naval Radio, Portugal	FC	3.0	Portuguese Navy
	CW	KPH	San Francisco Radio, CA	FC	20.0	(Also RTTY)
8644.0	CW	XFS	Tampico Radio, Mexico	FC	0.5	
8644.1	FAX	WWD	La Jolla Radio (Scripps), CA	FC	....	Meteo
8646.0	CW	LPD86	Gen. Pacheco Radio, Argentina	FC	3.0	AMVER
	CW	GYU	Gibraltar Naval Radio, Gibraltar	FC	5.0	British Navy
	CW	VTP4	Visakhapatnam Naval Radio, India	FC	....	Indian Navy
	CW	SAB4	Göteborg Radio, Sweden	FC	5.0	AMVER
8647.5	CW	JDC	Choshi Radio, Japan	FC	10.0	
8648.0	CW	DHJ59	Sengwarden Naval Radio, GFR	FC	....	German Navy/NATO
	CW	DZH	Manila Radio, Philippines	FC	0.3	
8649.5	CW	ICB	Genoa P.T. Radio, Italy	FC	5.0	
8650.0	CW	NMO	Honolulu CG Radio, HI	FC	3.0	USCG/AMVER (NOAA reports wx broadcasts at 0700 & 2000)
	CW	OBC3	Callao Radio, Peru	FC	0.5	TIME SIGNALS
	CW	SPB3	Szczecin Radio, Poland	FC	10.0	
	CW	....	numerous	FC	....	USCG Command Net
<i>Calling Frequency for all "Fixed" Stations (used by ships/aircraft and for RTTY)</i>						
8651.0	CW	VTP6	Vishakhapatnam Naval Radio, India	FC	....	Indian Navy
8652.0	CW	OST42	Oostende Radio, Belgium	FC	10.0	
	CW	STP	Port Sudan Radio, Egypt	FC	1.5	
8652.5	CW	PZN3	Paramaribo Radio, Surinam	FC	1.0	
8653.6	CW	JCS	Choshi Radio, Japan	FC	3.0	
8654.4	CW	PCH42	Scheveningen Radio, Netherlands	FC	10.0	
8656.0	CW	IAR38	Rome P.T. Radio, Italy	FC	7.0	
	CW	XFU	Veracruz Radio, Mexico	FC	0.5	
8658.0	CW	S3E	Khulna Radio, Bangladesh	FC	7.5	
	CW	ASK	Karachi Radio, Pakistan	FC	3.5	
	CW	KLB	Seattle Radio, WA	FC	3.5	
	CW	WSL	Amagansett Radio, NY	FC	20.0	
8659.0	CW	SXA4	Sparta Attikis Naval Radio, Greece	FC	....	Greek Navy/NATO
8659.2	CW	DZJ	Manila (Bulacan) Radio, Philippines	FC	2.5	
8660.0	USB	....	Beijing, PRC	FX	....	R. Beijing Feeder
	CW	DHS	Rügen Radio, GDR	FC	5.0	
	CW	UJQ7	Kiev Radio, USSR	FC	5.0	
8662.0	CW	TAH	Istanbul Radio, Turkey	FC	3.0	
	CW	TCR	Istophane Kulesi Radio, Turkey	FC	0.2	
8663.0	CW	UFN	Novorossiysk Radio, USSR	FC	5.0	
8664.8	CW	XSG3	Shanghai Radio, PRC	FC	4.0	
8666.0	CW	HKB	Barranquilla Radio, Colombia	FC	2.5	
	CW	FUG	La Regine (Castelnaudary), France	FC	....	French Navy
	CW	NST	Thurso, Scotland	FC	....	USN
	CW	KLC	Galveston Radio, TX	FC	3.5	NOAA reports wx broadcasts at 0530, 1130, 1730 & 2330
8666.4	CW	SPI4	Gydnia Radio, Poland	FC	10.0	
8668.0	CW	YIR	Basrah Control, Iraq	FC	1.0	NOAA reports wx broadcasts at 0530 & 1330
8669.9	CW	IAR8	Rome P.T. Radio, Italy	FC	7.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
8671.0	CW	SXA8	Spata Attikis Naval Radio, Greece	FC	....	Greek Navy/NATO
8672.0	CW	DZI	Manila (Bacoor) Radio, Philippines	FC	1.0	
8672.5	CW	DAF	Norddeich Radio, GFR	FC	10.0	
8574.4	CW	VWM	Madras Radio, India	FC	2.5	NOAA reports wx
			broadcasts at 0118, 0518, 0918, 1318, 1718 & 2118			
8675.0	CW	URD	Leningrad Radio, USSR	FC	15.0	
8675.2	CW	FFP3	Fort de France Radio, Martinique	FC	1.0	NOAA reports wx
			broadcasts at 0000, 0100, 0400, 0830, 1300, 1600 & 2100			
8678.0	CW	XSZ	Dairen Radio, PRC	FC	2.0	
	CW	ZLP2	Irirangi Naval Radio, New Zealand	FC	20.0	RNZ Navy
	CW	LFB	Rogaland Radio, Norway	FC	5.0	AMVER
	CW	SPI4	Gydnia Radio, Poland	FC	10.0	
8679.0	CW	IQX	Trieste P.T. Radio, Italy	FC	6.0	
8680.0	CW	GYU	Gibraltar Naval Radio, Gibraltar	FC	....	British Navy
8680.1	FAX	NMC	San Francisco CG Radio, CA	FC	2.0	USCG/Meteo
8681.0	CW	SVI4	Athens Radio, Greece	FC	5.0	
8682.0	CW	J2A8	Djibouti Radio, Djibouti	FC	1.0	
	CW	EAD3	Aranjuez Radio, Spain	FC	2.0	
8682.0	CW	NMC	San Francisco CG Radio, CA	FC	2.0	USCG (NOAA re-
			ports wx broadcasts at 0030, 0630, 1900 & 2100)			
8683.0	CW	CCS	Santiago Naval Radio, Chile	FC	1.0	Chilean Navy
8683.5	CW	LFB2	Rogaland Radio, Norway	FC	5.0	
8684.0	CW	GKJ4	Portishead Radio, England	FC	10.0	
	CW	DZH	Manila Radio, Philippines	FC	0.3	NOAA reports wx
			broadcasts at 0200 & 1400			
8685.0	CW	IRM6	C.I.R.M. Rome, Italy	FC	....	Medico
8685.2	CW	CNP	Casablanca Radio, Morocco	FC	2.0	
8685.6	CW	HSA2	Bangkok Radio, Thailand	FC	5.0	
8686.0	CW	PKB	Belawan Radio, Indonesia	FC	1.0	
	CW	PKF	Makassar Radio, Indonesia	FC	1.0	
	CW	JCT	Choshi Radio, Japan	FC	3.0	
	CW	C2N	Nauru Radio, Nauru	FC	1.0	
	CW	JWT	Stavanger Naval Radio, Norway	FC	3.0	Norwegian Navy
	CW	WMH	Baltimore Radio, MD	FC	0.8	NOAA reports wx
			broadcasts at 0130, 1330, 1600 & 1930			
8687.0	CW	SBV4	Athens Radio, Greece	FC	5.0	
8687.6	CW	URD	Leningrad Radio, USSR	FC	15.0	
8688.0	CW	9VG36	Cape D'Aguilar Radio, Hong Kong	FC	3.0	(Also RTTY)
8688.5	CW	ZSC6	Cape Town Radio, RSA	FC	10.0	TIME SIGNALS/Tfc
8690.0	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
	CW	3DP4	Suva Radio, Fiji	FC	0.5	AMVER
	CW	SVF4	Athens Radio, Greece	FC	5.0	
	CW	TFA3	Reykjavik Radio, Iceland	FC	1.5	
	CW	XFA2	Acapulco Radio, Mexico	FC	1.0	
	CW	XFS2	Tampico Radio, Mexico	FC	1.0	
	CW	XFU2	Veracruz Radio, Mexico	FC	1.0	
	CW	FYJ4	St. Paul Radio, New Amsterdam Is.	FC	1.0	NOAA reports wx
			broadcasts at 0245 & 0545			
	CW	6VA5	Dakar Radio, Senegal	FC	4.0	NOAA reports wx
			broadcasts at 1000 & 2200			
	CW	UMV	Murmansk Radio, USSR	FC	15.0	
8692.5	CW	SVF4	Athens Radio, Greece	FC	5.0	
8694.0	CW	S3D	Chittagong Radio, Bangladesh	FC	1.0	
	CW	CBM2	Magallanes Radio, Chile	FC	0.5	
	CW	PKM	Bitung Radio, Indonesia	FC	1.0	
	CW	PNK	Jayapura Radio, Indonesia	FC	1.0	
	CW	PJC	Curaçao Radio, Netherlands Antilles	FC	2.5	NOAA reports wx
			broadcast at 2300			
	CW	ASK	Karachi Radio, Pakistan	FC	2.0	NOAA reports wx
			broadcast at 1630			
	CW	XSZ	Dairen Radio, PRC	FC	2.0	NOAA reports wx
			broadcasts at 0050 & 1250			
8694.4	CW	4XO	Haifa Radio, Israel	FC	2.5	
8695.1	CW	UHK	Batumi Radio, USSR	FC	5.0	
8696.0	CW	ZAD2	Durrës Radio, Albania	FC	4.0	
	CW	DHS	Rügen Radio, GDR	FC	5.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
8696.0	CW	9GX	Tema Radio, Ghana	FC	10.0	
8697.0	CW	CFH	Maritime Command Radio, Halifax, Canada (Canadian Navy)	FC	10.0	NOAA reports wx broadcasts at 0100, 0430, 0700, 1300, 1630 & 1900. Seasonal ice broadcasts at 0130 & 1330
8698.0	CW	JGC	Yokohama Radio, Japan	FC	1.0	
	CW	9MG2	Penang Radio, Malaysia	FC	1.0	
	CW	C9L2	Maputo Radio, Mozambique	FC	0.5	
	CW	C9L4	Beira Radio, Mozambique	FC	1.0	
	CW	FJP8	Noumea Radio, New Caledonia	FC	1.0	NOAA reports wx broadcasts at 0000 & 0900
	CW	5OW8	Lagos Radio, Nigeria	FC	1.0	
8700.0	CW	YUR3	Rijeka Radio, Yugoslavia	FC	6.0	
8700.5	CW	HKB	Barranquilla Radio, Colombia	FC	0.5	
8701.0	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	5.0	
8701.3	CW	CTV73	Monsanto Naval Radio, Portugal	FC	1.0	Portuguese Navy
8701.9	CW	CLA22	Havana (Cojimar) Radio, Cuba	FC	5.0	
8702.0	CW	XSR	Hoihow Radio, PRC	FC	1.0	
	CW	ODR3	Beirut Radio, Lebanon	FC	1.0	
8704.0	CW	SVA4	Athens Radio, Greece	FC	5.0	
8705.5	CW	GKE4	Portishead Radio, England	FC	10.0	
8705.9	CW	4XZ	Haifa Naval Radio, Israel	FC	....	Israel Navy
8706.0	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
8707.5	CW	HEC18	Berne Radio, Switzerland	FC	10.0	(Mostly RTTY)
8708.2	CW	PBC	Goeree Naval Radio, Netherlands	FC	....	Dutch Navy
8709.0	CW	VCS	Halifax CG Radio, Canada	FC	1.0	
	CW	9VG78	Singapore Radio, Singapore	FC	10.0	(Also RTTY)
8709.6	CW	UAT	Moscow Radio, USSR	FC	10.0	
8710.0	CW	XYR	Rangoon Radio, Burma	FC	1.0	NOAA reports wx broadcasts at 0900 & 1700
	CW	9LL	Freetown Radio, Sierra Leone	FC	1.5	
	CW	9YL	North Post Radio, Trinidad	FC	1.0	NOAA reports wx broadcasts at 0900, 1300, 1500, 1730 & 2130
8711.0	CW	GKP4	Portishead Radio, England	FC	10.0	(Mostly RTTY)
8711.5	CW	VIS65	Sydney Radio, Australia	FC	5.0	(Mostly RTTY)
8712.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
8713.5	CW	KFS	San Francisco Radio, CA	FC	20.0	(Also RTTY)
8714.0	CW	9PA5	Banana Radio, Zaire	FC	3.0	
8717.9	CW	9VG93	Singapore Radio, Singapore	FC	10.0	(Mostly RTTY)
8718.0	CW	TJC8	Douala Radio, Cameroon	FC	0.8	

Coast Stations USB Duplex

8718.9	USB	....	Göteborg Radio, Sweden	FC	5.0	CH#801 (8195.0)
	USB		This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMR, San Juan, PR; NOJ, Kodiak, AK and NRV, Barrigada, Guam			
8721.0	CW	PPE	Rio de Janeiro Radio, Brazil	FC	2.0	TIME SIGNALS
8722.0	USB	SVN4	Athens Radio, Greece	FC	5.0	CH#802 (8198.1)
	USB	CUL	Lisbon Radio, Portugal	FC	5.0	" "
	USB	WOM	Miami Radio, FL	FC	10.0	" "
			(NOAA reports wx broadcast at 1230)			
8725.1	USB	....	Göteborg Radio, Sweden	FC	5.0	CH#803 (8201.2)
	USB	WFN	Jeffersonville, IN	FC	0.8	Inland Waterway
			(Temporary FCC Assignment)			
8728.2	USB	3AC8	Monaco Radio, Monaco	FC	10.0	CH#804 (8204.3)
	USB	9VG63	Singapore Radio, Singapore	FC	10.0	" "
	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
			(NOAA reports wx broadcasts at 0000, 0600 & 1500)			
	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	CH#804 (8204.3)
8731.3	USB	PCC42	Scheveningen Radio, Netherlands	FC	10.0	CH#805 (8207.4)
	USB	P2M	Port Moresby Radio, Papua New Guinea	FC	1.0	" "
	USB	P2R	Rabaul Radio, Papua New Guinea	FC	1.0	" "
	USB	ZSC26	Cape Town Radio, RSA	FC	5.0	" "
	USB	WOM	Miami Radio, FL	FC	10.0	" "
			(NOAA reports wx broadcast at 1330)			

Coast Stations USB Duplex

KHz	Mode	Call	Location	Service	kW	Remarks
8734.4	USB	SVN4	Athens Radio, Greece	FC	5.0	CH#806 (8210.5)
	USB	....	Genoa Radio 8, Italy	FC	7.0	" "
	USB	PCG43	Scheveningen Radio, Netherlands	FC	10.0	" "
8737.5	USB	5BA42	Nicosia Radio, Cyprus	FC	10.0	CH#807 (8213.6)
	USB	ZLW	Wellington Radio, New Zealand	FC	10.0	" "
	USB	WCK	St. Louis, MO	FC	0.8	Inland Waterway (Temporary FCC Assignment)
8740.6	USB	KQM	Kahuku (Honolulu) Radio, HI	FC	0.8	NOAA CH#808 (Temporary FCC Assignment)
	USB	ZSD38	Durban Radio, RSA	FC	5.0	CH#808 (8216.7)
	USB	SAG	Göteborg Radio, Sweden	FC	5.0	" "
	USB	WOO	New York (Ocean Gate) Radio, NY	FC	10.0	" "
			(NOAA reports wx broadcasts at 0100, 1300 & 1900)			
8743.7	USB	LFL5	Rogaland Radio, Norway	FC	10.0	CH#809 (8219.8)
	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
8746.8	USB	JBO	Tokyo Radio, Japan	FC	10.0	CH#810 (8222.9)
	USB	LFL6	Rogaland Radio, Norway	FC	10.0	" "
	USB	WOM	Miami Radio, FL	FC	10.0	" "
			(NOAA reports wx broadcast at 2230)			
	USB	YUR	Rijeka Radio, Yugoslavia	FC	7.5	CH#810 (8222.9)
8749.9	USB	....	Hong Kong (Cape D'Aguilar) Radio	FC	1.0	CH#811 (8226.0)
	USB	LFL7	Rogaland Radio, Norway	FC	10.0	" "
8753.0	USB	JBO	Tokyo Radio, Japan	FC	2.5	CH#812 (8229.1)
	USB	SPC4	Gdynia Radio, Poland	FC	10.0	" "
8756.1	USB	OSU45	Oostende Radio, Belgium	FC	10.0	CH#813 (8232.2)
	USB	LFL8	Rogaland Radio, Norway	FC	10.0	" "
8759.2	USB	LPL3	Gen. Pacheco Radio, Argentina	FC	10.0	CH#814 (8235.3)
	USB	SVN4	Athens Radio, Greece	FC	5.0	" "
8762.3	USB	OSU41	Oostende Radio, Belgium	FC	10.0	CH#815 (8238.4)
	USB	9VG64	Singapore Radio, Singapore	FC	10.0	" "
	USB	WOO	New York (Ocean Gate) Radio, NY	FC	10.0	" "
			(NOAA reports wx broadcasts at 0200, 1400 & 2000)			
8765.4	USB	8PO	Barbados Radio, Barbados	FC	2.0	CH#816 (8241.5)
	USB	GPU46	Portishead Radio, England	FC	10.0	" "
	USB	NMN	Portsmouth Communications Station, VA	FC	3.0	USCG/AMVER CH#816 (8241.5)
			(NOAA reports wx broadcasts at 0400, 0530, 1000, 1130, 1600, 1730, 2200 & 2330)			
	USB	NMO	Honolulu CG Radio, HI	FC	10.0	USCG CH#816 (8241.5)
			(NOAA reports wx broadcasts at 0545 & 1745)			
	USB	NMC	San Francisco CG Radio, CA	FC	10.0	USCG CH#816 (8241.5)
			(NOAA wx broadcasts at 0430, 1030, 1230, 1630 & 2230)			
	USB		This frequency is also used by USCG Coast Stations: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NOJ, Kodiak, AK and NRV, Guam			
8768.5	USB	VRT	Bermuda Radio, Bermuda	FC	1.0	CH#817 (8244.6)
	USB	FPL43	St. Lys Radio, France	FC	10.0	" "
	USB	DAJ	Norddeich Radio, GFR	FC	10.0	" "
	USB		This frequency is also used by USCG Coast Stations: NMA, Miami, FL; NMG, New Orleans, LA and NOJ, Kodiak, AK			
8771.6	USB	5BA44	Nicosia Radio, Cyprus	FC	10.0	CH#818 (8247.7)
	USB	OXZ	Lyngby Radio, Denmark	FC	10.0	" "
8774.7	USB	GPU49	Portishead Radio, England	FC	10.0	CH#819 (8250.8)
	USB		This frequency is also used by USCG Coast Stations: NMC, San Francisco, CA; NMF, Boston, MA and NMO, Honolulu, HI			
8777.8	USB	JBO	Tokyo Radio, Japan	FC	2.5	CH#820 (8253.9)
	USB	....	Rome Radio 8, Italy	FC	7.0	" "
8780.9	USB	AM/USB	INTERNATIONAL CALLING FREQUENCY	FC	....	CH#821 (8257.0)
	USB	9VG89	Singapore Radio, Singapore	FC	10.0	" "
	USB	ZSC26	Cape Town Radio, RSA	FC	5.0	" "
	USB	LFL	Rogaland Radio, Norway	FC	10.0	" "
8784.0	USB	PPL	Belém Radio, Brazil	FC	1.0	CH#822 (8260.1)
	USB	HEB18	Berne Radio, Switzerland	FC	10.0	" "
	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
			(NOAA reports wx broadcasts at 0000, 0600 & 1500)			

Coast Stations USB Duplex (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
8787.1	USB	VCS	Halifax CG Radio, Canada	FC	5.0	CH#823 (8263.2)
			(NOAA reports wx broadcasts at 0215, 0815, 1615 & 2215)			
	USB	SVN4	Athens Radio, Greece	FC	5.0	CH#823 (8263.2)
	USB	....	Genoa Radio 8, Italy	FC	5.0	" "
	USB	....	Göteborg Radio, Sweden	FC	5.0	" "
8790.2	USB	PPO	Olinda Radio, Brazil	FC	1.0	CH#824 (8266.3)
	USB	9VG65	Singapore Radio, Singapore	FC	10.0	" "
	USB	HEB28	Berne Radio, Switzerland	FC	10.0	" "
	USB	WLO	Mobile Radio, AL	FC	10.0	" "
			(NOAA reports wx broadcasts at 1330, 1730 & 2330)			
8793.3	USB	KWJ91	Anchorage Radio, AK	FC	1.0	NOAA CH#825
	USB	ZKR	Rarotonga Radio, Cook Islands	FC	1.5	CH#825 (8269.4)
	USB	OXZ	Lyngby Radio, Denmark	FC	10.0	" "
	USB	FFL42	St. Lys Radio, France	FC	10.0	" "
	USB	WOM	Miami Radio, FL	FC	10.0	" "
			(NOAA reports wx broadcast at 2330)			
8796.4	USB	KMV	Agana Radio, Guam	FC	1.0	NOAA CH#826
	USB	PCG41	Scheveningen Radio, Netherlands	FC	10.0	CH#826 (8272.5)/AMVER
	USB	IAR	Rome Radio 8, Italy	FC	7.0	CH#826 (8272.5)
	USB	WOO	New York (Ocean Gate) Radio, NY	FC	10.0	" "
	USB	WBL	Buffalo, NY	FC	0.8	" "
	USB	WLC	Rogers City, MI	FC	0.8	" "
	USB	WMI	Lorain, OH	FC	0.8	" "
			The Last 3 are on a Temporary FCC Assignment			
8799.5	USB	4XO	Haifa Radio, Israel	FC	10.0	CH#827 (8275.6)
	USB	....	Göteborg Radio, Sweden	FC	5.0	" "
8802.6	USB	KWL21	Juneau (Auke Bay) Radio, AK	FC	1.0	CH#828 (8278.7)
	USB	KWL39	Port Walter Radio, AK	FC	1.0	" "
	USB	KWL43	King Salmon Radio, AK	FC	1.0	" "
	USB	PPJ	Junçao Radio, Brazil	FC	1.0	" "
	USB	FFL44	St. Lys Radio, France	FC	10.0	" "
	USB	KAW63	Laysan Radio, HI	FC	1.0	" "
			(ITU Registered--Laysan Island is Supposedly Deserted!)			
	USB	KAC	Woods Hole Radio, MA	FC	1.0	CH#828 (8278.7)
	USB	KAF	Atlantic Highlands Radio, NJ	FC	1.0	" "
	USB	KBR	Beaufort Radio, NC	FC	1.0	" "
	USB	KJS	Kings Point Radio, NY	FC	1.0	" "
	USB	KVH	Atlantic Marine Center, Norfolk, VA	FC	1.0	" "
	USB	KVJ	Seattle Radio, WA	FC	1.0	" "
	USB	WWD	La Jolla (Scripps) Radio, CA	FC	10.0	" "
			(Most of the USA Stations above are NOAA Operations)			
8805.7	USB	VIS	Sydney Radio, Australia	FC	5.0	CH#829 (8281.8)
	USB	OHG2	Helsinki Radio, Finland	FC	10.0	" "
	USB	C5G	Banjul Radio, Gambia	FC	1.0	" "
	USB	WLO	Mobile Radio, AL	FC	10.0	" "
8808.8	USB	PPR	Rio Radic, Brazil	FC	1.0	CH#830 (8284.9)
	USB	FFL41	St. Lys Radio, France	FC	10.0	" "
	USB	KRV	Ponce Radio, PR	FC	1.0	NOAA CH#830
	USB	WLO	Mobile Radio, AL	FC	10.0	CH#830 (8284.9)
8811.9	USB	....	Falkland Islands Radio	FC	1.0	CH#831 (8288.0)
	USB	....	Rome Radio 8, Italy	FC	7.0	" "
	USB	HEB38	Berne Radio, Switzerland	FC	10.0	" "

8815.0-9040.0 kHz - Aeronautical Mobile (Worldwide)

8818.0	FAX	LOK	Orcadas Radio, S. Orkeny Is.	FX	....	NOAA reports sea-
	AM/A3H	....				sonal broadcasts at 0300, 1700 & 1915
8819.0	AM	....	Baghdad Aeradio, Iraq	FA	....	VOLMET
	AM	....	Beirut Aeradio, Lebanon	FA	....	"
	AM	SUC50	Cairo Aeradio, Egypt	FA	1.3	"
	AM	....	Istanbul Aeradio, Turkey	FA	....	"
8819.2	A3A	....	several, in Indonesia	FA	....	Tfc (Jakarta and Surabaya frequently mentioned)

Aeronautical Mobile Worldwide (con.)

KHz	Mode	Call	Location	Service	kW	Remarks
8826.0	AM/A3H	....	numerous (ICAO NW-SAM, SW-SAM, AFI-2 & AFI-4)	FA/MA	....	Airports & in-flight covering all of the west coast of South America, plus the north-south central portion of Africa from the Mediterranean to Cape Hope
8828.5	AM	....	Bahrain Aeradio	FA	....	VOLMET
8833.0	A3H	EIP	Shannon Aeradio (Rineanna), Ireland	FA	2.0	VOLMET
8840.0	AM/A3H	....	numerous (ICAO SEA-2 & W-CAR)	FA/MA	....	Airports & in-flight covering Southeast Asia, Central America & western Caribbean
8842.0	CW	RfNV	Moscow Aeradio, USSR	FA/MA	....	Aeroflot (Mostly working in-flight to/from Havana)
8847.0	AM/A3H	....	numerous (ICAO SP-6, SP-7, C-SAM, NE-SAM, SE-CAM & MID-1)	FA/MA	....	Airports & in-flight covering all of the South Pacific Ocean, all of the east coast of South America, plus all of the Middle East
8854.0	AM/A3H	....	numerous (ICAO CWP-1, CWP-2, SEA-3 & NAT-C)	FA/MA	....	Airports & in-flight covering all of the western Pacific--Honolulu to Ulan Bator--all of Indonesia and western Australia, plus the North Atlantic
8861.0	AM	....	several, in Madagascar	FA/AX	....	Tfc Net
8868.0	AM/A3H	....	Sverdlovsk, USSR	FA	....	VOLMET in RR
		....	numerous (ICAO SEA-2 & SEA-3)	FA/MA	....	Airports & in-flight covering all of Southeast Asia, Indonesia and western Australia
	A3H	VFG	Gander Aeradio, Nfld., Canada	FA	1.0	VOLMET
	A3H	WSY70	New York Aeradio, NY	FA	1.5	VOLMET
8870.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
8875.0	AM/A3H	....	numerous, worldwide	FA/MA	....	Airport Control
8882.0	AM/A3H	....	numerous (ICAO SEA-1, AFI-1 & SAT)	FA/MA	....	Airports & in-flight covering India southeast to Singapore, western bulge of Africa north to Portugal and routes from Dakar to Rio de Janeiro
8889.0	AM/A3H	....	numerous (ICAO NAR-B)	FA/MA	....	Airports & in-flight covering North Atlantic
8900.0	AM	....	Sykytyvkar Aeradio, USSR	FA	....	VOLMET
8903.0	AM	....	Hong Kong (Ka1 Tak Aeradio)	FA	1.5	TIME SIGNALS & VOLMET
	A3H	KIS70	Anchorage Aeradio, AK	FA	1.5	VOLMET
	A3H	KVM70	Honolulu Aeradio, HI	FA	1.5	"
	A3H	....	Narita Aeradio, Tokyo, Japan	FA	....	"
	A3H	KSF70	San Francisco Aeradio, CA	FA	1.5	"
8905.0	AM	....	Rostov-na-Donu Aeradio, USSR	FA	....	VOLMET in FF/RR
8910.0	AM/A3H	....	numerous (ICAO NAT-D)	FA/MA	....	Airports & in-flight covering North Atlantic Arctic region
	AM/A3H	....	numerous, worldwide	FA/MA	....	Airports & in-flight Paid Services for International Carriers--particularly in Australia, Canada, etc.
8913.5	CW/AM	C7A	Ocean Station Vessel 62°N & 32°W	FA	....	(aka "ALFA")
	CW/AM	C7I	Ocean Station Vessel 59°N & 19°W	FA	....	(aka "INDIA")
	CW/AM	C7J	Ocean Station Vessel 52°N & 20°W	FA	....	(aka "JULIETT")
8917.0	AM/A3H	....	numerous, in Papua New Guinea	FA/MA	....	Tfc Net
	AM	....	Tashkent & Tbilisi Aeradio, USSR	FA	....	VOLMET in FF/RR
	USB	....	several, in the USA	FA/MA	....	In-flight Testing
8922.0	AM	....	Leningrad (Pulkovo), USSR	FA	....	VOLMET in RR
	USB	....	Moscow (Sheremetyevo), USSR	FA	....	VOLMET in FF/RR
8924.0	AM	....	numerous (parts of ICAO AFI-1, AFI-2 & AFI-4)	FA/MA	....	Airports & in-flight covering bulge of West Africa including Cameroon, Chad, Congo, Gabon, Equatorial Guinea, etc.
8931.0	AM/A3H	....	numerous (ICAO CEP-1)	FA/MA	....	Airports & in-flight covering to Honolulu to San Francisco
8933.0	AM	....	Baku Aeradio, USSR	FA	....	VOLMET in RR
8938.0	AM/A3H	....	numerous (ICAO NP-3 & NP-4)	FA/MA	....	Airports & in-flight covering northern Pacific Ocean & Arctic regions
	CW/AM	C7P	Ocean Station Vessel 50°N & 145°W	FA	....	(aka "PAPA")
8940.0	AM	....	Riga Aeradio, USSR	FA	....	VOLMET in RR
8945.0	AM/A3H	....	numerous (ICAO NAR-A)	FA/MA	....	Airports & in-flight covering all of the North Atlantic Ocean

Aeronautical Mobile Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
8952.0	AM/USB	PBW	Amsterdam (Schiphol), Netherlands	FA	6.0	Tfc to Oil Rigs
8959.0	AM/A3H	....	numerous (ICAO AFI-3 & E-CAR)	FA/MA	....	Airports & in-flight covering northeastern Africa, Arabia and Indian Ocean as far east as Bombay, plus all of the USA east coast, eastern Caribbean & northern airports of South America
	USB	....	numerous	FA/MA	....	USAF & USN
8960.0	AM	....	Kuybyshev (Kurumoch), USSR	FA	....	VOLMET in RR
	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in EE
8963.0	CW	CAK6H	Santiago (Los Cerrillos), Chile	FA	....	Chilean AF
8964.0	USB	....	numerous, mostly within the USA	FA/MA	....	USAF
8967.0	USB	....	numerous, worldwide	FA/MA	....	USAF (Includes: AFA, Andrews AFB, MD; AIE, Andersen AFB, Guam; AIF, Yokota AB, Japan; CUW, Lajes Airways, Azores, etc.)
8970.0	USB	PBV4	Valkenburg AB, Netherlands	FA/MA	1.0	Dutch Naval Air
8972.0	USB	SHA38	Enköping, Sweden	FA	5.0	Tfc
8973.5	USB	....	numerous, worldwide	FA/MA	....	USN (aka "KILO")
8975.0	USB	....	numerous, in Australia	FA/MA	....	RAAF (Includes: AXF, RAAF Sydney; AXH, RAAF Townsville; AXI, RAAF Darwin; AXJ, RAAF Perth, etc)
	AM/A3H	....	numerous (ICAO CEP-5 & EUR-A)	FA/MA	....	Airports & in-flight covering Honolulu to San Francisco, plus all of central Europe, Mediterranean, Middle East and north to Leningrad & Moscow
8976.0	AM/CW	....	numerous, in USSR	FA/MA	....	Aeroflot
8980.0	USB	....	numerous	FA/MA	....	USCG (Primary frequency for helicopters)
8984.0	USB	....	numerous	MA/MS	....	USCG (Primary frequency for aircraft to ships)
	USB	....	numerous	FA/FC	....	USAF & USCG
8989.0	USB	....	numerous, worldwide	FA/MA	....	USAF (Includes: AFE8, MacDill AFB, FL; AFI, McClellan AFB, CA; AIE, Andersen AFB, Guam; AKA, Elmendorf AFB, AK, etc.)
8990.0	AM	....	Novosibirsk (Tolmachevo), USSR	FA	....	VOLMET in RR
8992.5	CW	6WW	Dakar Naval Radio, Senegal	FA/AX	....	French Naval Air
8993.0	USB	AFE8	MacDill AFB, FL	FA/MA	....	USAF
8996.0	USB	AHF	Albrook AFS, Canal Zone	FA/MA	....	USAF
8997.0	USB	....	numerous, New Zealand & Antarctica	FA/MA	....	RNZAF/USAF/USN (Includes: NBY, Bird Station; NGD, McMurdo; NPX, South Pole Station; NQU, Siple Station; NZCM, Williams Field, ZLK, Christchurch, New Zealand, etc.) (The RNZ Air Force also appears to use this frequency and has been monitored with callsigns such as XDO1, XDO2, XDO3, XDO4, etc.)
9009.0	LSB/USB	....	numerous, worldwide	FA/MA	....	USAF
	AM	....	Khabarovsk Aeradio, USSR	FA	....	VOLMET in RR
9010.0	USB	....	several, in Canada	FA	....	RCAF
9014.0	CW	LFP	Rogaland Radio, Norway	FC	2.0	
	AM	....	Aktyubinsk Aeradio, USSR	FA	....	VOLMET in RR
9020.0	USB	AFE8	MacDill AFB, FL	FA/MA	....	USAF Tfc (Also heard on this frequency during the hurricane seasons are in-flight and the "Miami Monitor"--KJY74)
9025.0	CW	MKL	Pitreavie Castle, Scotland	FA/AX	1.0	RAF
9027.0	USB	....	numerous	FA/MA	....	USAF (Used for "Sky King" broadcasts--many code names for Air Bases--sometimes called SAC "Romeo" frequency)
9032.0	USB	....	numerous, throughout Pacific	FA	....	USN Tfc Net
9039.5	CW	MKL	Pitreavie Castle, Scotland	FA/AX	1.0	RAF

The frequencies between 8985.0 and 9039.0 kHz are used by all Allied Air and Naval Forces in 1.0 kHz increments. There are hundreds of code names ("Alderman", "Dignify", "Dogpound", "Gregory", etc.) that are changed or rotated on a random basis to circumvent positive identification.

9040.0-9500.0 kHz - Fixed Service (Worldwide)

9040.5	CW	KNY25	Washington, DC	FX	1.0	Rumanian EMBASSY
	CW	KNY26	Washington, DC	FX	1.0	Hungarian EMBASSY
9040.6	USB	....	several, off northeast Australia	FX	1.0	Oil Rigs
9042.8	CW	"K"	unknown, but in Far East	RC	....	Beacon?

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
9043.0	CW	5YE	Nairobi, Kenya	FX	10.0	NOAA reports wx broadcast at 1200
	FAX	5YE	Nairobi, Kenya	FX	10.0	Meteo
	FAX	SUU	Cairo, Egypt	FX	....	Meteo
9044.0	USB	TJF90	Douala, Cameroon	FX	2.0	Telcom
9050.0	CW	NPM	Lualualei Naval Radio, HI	FX	10.0	USN/TIME SIGNALS
			NOAA reports wx broadcasts at 0100, 0400, 0700 & 2000			
9051.0	CW	CMA25	Havana, Cuba	FX	1.0	Tfc
9051.5	USB	FZO90	Papeete, Tahiti	FX	20.0	Telcom
9060.0	FAX	RTA21	Novosibirsk, USSR	FX	15.0	Meteo
9062.0	CW	DBV36	Berlin, GDR	FX	5.0	MFA/ZID
9065.0	CW	IDO20	Rome Naval Radio, Italy	FX	15.0	Italian Navy
			(Reportedly gives news in II at 1800 & 2230)			
9070.0	F6	JAE29	Tokyo, Japan	FX	25.0	Tfc
9073.0	USB	....	Aleutian LORAN Network	FX	....	USCG (Includes: NMJ21, Adak; NRW, Sarichef; NRW1, Sitkinak; NRW2, St. Paul and NRW3, Pt. Clarence)
9075.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
9078.0	CW	DBY5	Berlin, GDR	FX	....	MFA/ZID (Also RTTY)
9079.0	CW	SNN99	Warsaw, Poland	FX	....	EMBASSY
9082.0	ISB	IRG20	Rome (Torrenova), Italy	FX	10.0	Tfc (Also RTTY)
9083.5	LSB	CNR25	Rabat, Morocco	FX	5.0	Telcom
9085.9	CW	FDC4	Reims, France	FX	....	French Air Force
	CW	FDC7	Strasbourg, France	FX	....	" " "
	CW	FDY4	Orleans, France	FX	....	" " "
	CW	DBY6	Berlin, GDR	FX	....	MFA/ZID (Also RTTY)
9090.0	CW	IDR4	Rome Naval Radio, Italy	FX	15.0	Italian Navy/ (aka IDR8)
9092.0	ISB	MKG	London, England	FX	....	RAF Tfc
9092.3	ISB	LDO2	Longyearbyen, Spitsbergen	FX	2.5	Tfc
9093.0	ISB	YAF	Kabul, Afghanistan	FX	3.0	Telcom/Tfc
9105.0	USB	....	numerous, in Canada	FX	....	RCMP Backup Net
9106.0	CW/USB	VSD	Halley Base, Antarctica	FX	....	All stations listed
	CW	ZBH	South George Island	FX	....	are part of British
	CW	ZHF44	Argentine Island	FX	....	Antarctic Survey
	CW	ZHF45	Rothera Base, Adelaide Island	FX	....
9108.5	CW	HHP46	Port Au Prince, Haiti	AX	0.5	Aero Tfc
	CW	HIV23	Santo Domingo, Dominican Republic	AX	0.4	Aero Tfc
9109.9	CW	RDZ77	Moscow, USSR	FX	15.0	Tfc (Also RTTY)
9111.0	CW	CQH	Bissau, Guinea-Bissau	AX	3.0	Aero Tfc
	CW	D4B44	Sal, Cape Verde Is.	AX	3.0	Aero Tfc
9112.5	ISB	JBE39	Tokyo, Japan	FX	15.0	Telcom/Tfc
9115.0	AM	LRB91	Buenos Aires (Gen. Pacheco), Argentina	FX	2.5	Telcom
9117.5	USB	FYJ3	Paris (St. Assise), France	FX	20.0	Telcom
9120.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in GG
9125.6	CW/USB	....	Atlantic Area Domestic Emergency Net	FC/FX ..	....	USCG (Includes: NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMR, San Juan, PR & NOZ, Elizabeth City, NC)
	CW/USB	....	Pacific Area Domestic Emergency Net	FC/FX ....	....	USCG (Includes: NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NOJ, Kodiak, AK & NRV, Guam--all above stations also use RTTY)
9135.0	FAX	JKB4	Tokyo (Kemigawa), Japan	FX	5.0	
9150.0	USB	ROW25	Moscow, USSR	FX	15.0	R. Moscow Feeder
9155.0	ISB	FPJ5	Paris (St. Assise), France	FX	20.0	Telcom
9164.0	ISB	CXL23	Montevideo, Uruguay	FX	2.5	Telcom
9166.9	ISB	LDN2	Oslo (Jeloey), Norway	FX	10.0	Telcom/Tfc
9170.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
	USB	WMA29	San Francisco (Dixon), CA	FX	30.0	Telcom
9178.1	CW	9RB	Bukavu, Zaire	FX	....	Tfc
9200.0	CW	AYA	Buenos Aires, Argentina	FX	....	INTERPOL
	CW	SHX	Stockholm, Sweden	FX	1.5	INTERPOL (Most INTERPOL tfc on this frequency is via RTTY)
	CW	ZBP	Pitcairn Island	FX	0.7	Tfc
	ISB	....	Moscow, USSR	FX	....	R. Moscow Feeder
9203.0	FAX	GFE22	Bracknell, England	FX	5.0	Meteo/Ice
9210.0	ISB	RME20	Moscow, USSR	FX	15.0	R. Moscow Feeder

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
9210.0	CW	....	Pyongyang, North Korea	FX	....	Tfc/Nx
9215.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in SS
9220.0	FAX	....	Novosibirsk, USSR	FX	....	Meteo
9223.0	CW	KWL90	unknown, but in Far East	FX	....	USA EMBASSY
	ISB	MKT	London (Stanbridge), England	FX	10.0	RAF Tfc
9223.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (Includes: NRT, Totsuka, Japan; NRT2, Gesashi, Japan; NRT3, Iwo Jima; NRT9, Hokkaido, Japan; NRV, Barrigade, Guam; NRV6, Marcus Island and NRV7, Yap Island)
9230.0	FAX	RHB/RHO	Khabarovsk, USSR	FX	....	Meteo
9240.0	ISB	9VE32	Singapore, Singapore	AX/FX	....
	USB	RV070	Moscow, USSR	FX	20.0	R. Moscow Feeder
9241.9	ISB	TNI92	Brazzaville, Congo	FX	20.0	Telcom/Tfc
9245.0	ISB	FZE93	Fort de France, Martinique	FX	20.0	Telcom/Tfc
9250.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
	CW	....	numerous, mostly east coast USA	FX	....	USN (Mostly RTTY)
9255.0	ISB	LDN	Oslo (Jeloey), Norway	FX	10.0	Tfc
9260.0	FAX	JKA3	Tokyo (Kemigawa), Japan	FX	5.0	
9268.0	CW	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY (Also RTTY)
9277.5	CW	NPG	San Francisco Naval Radio, CA	FX/FC	1.0	USN/TIME SIGNALS
9278.0	ISB	HSD93	Bangkok Aeradio, Thailand	AX	7.5	Tfc
9278.5	USB	....	North Atlantic (East Coast) LORAN Net	FX	....	USCG (Includes: NMA7, Jupiter, FL; NMF32, Nantucket, MA; NMF33, Caribou, ME; NMN73, Carolina Beach (Cape Fear), NC; NOL, "Bermuda Monitor" & VDB, Cape Race, Nfld., Canada)
9280.0	FAX	RUZU	Molodezhnaya USSR Base, Antarctica	FX	....	Meteo/Ice
	CW	UGE2	Bellingshausen USSR Base, Antarctica	FX	....	Tfc
9285.0	CW	JPA33	Tokyo, Japan	FX	5.0	INTERPOL (Far East distribution point working DUN356, Manila, Philippines; HMA22, Seoul, S. Korea; HSQ, Bangkok, Thailand; VRD, Hong Kong & 8UF75, New Delhi, India)
	ISB	3AD1	Monaco	FX	30.0	Telcom
9290.0	CW	FUJ	Noumea Naval Radio, New Caledonia	FX	1.0	French Navy
	FAX	WFA29	New York, NY	FX	....	Meteo
9295.0	ISB	JBE59	Tokyo, Japan	FX	10.0	Telcom/Tfc
9297.0	USB	....	Marianas LORAN Net	FX	....	USCG (Includes: NRV, Barrigada, Guam; NRV2, Saipan Is.; NRV4, Anguar, Palau Is- lands and NRV7, Yap Island)
	CW	DFJ29	Frankfurt, GFR	FX	20.0	Tfc
9297.3	ISB	8BB	Jakarta, Indonesia	AX	....
9303.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (Includes: NMO, Lualualei, HI; NRO, Johnston Is.; NRO2, Kauai Is., HI; NRO4, French Frigate Shoals, HI; NRO5, Upolu Point, HI & NRO7, Kure Is., HI)
9310.5	ISB	LCB	Oslo (Jeloey), Norway	FX	....	Tfc (Also RTTY)
9315.0	CW	RCT54	Moscow, USSR	FX	....	TASS Nx in SS
9319.8	CW	5YD22	Nairobi Aeradio, Kenya	AX	7.5	Tfc (Also RTTY)
9320.0	ISB	....	Daventry, England	FX	30.0	BBC Feeder
9330.0	USB	....	unknown (± 10 kHz)	FX	....	NUMBERS in GG
9337.1	CW	FLT20	Paris, France	FX	1.0	French Army
9340.0	FAX	....	Tashkent, USSR	FX	....	Meteo
9350.0	LSB	....	Greenville, NC	FX	....	VOA Feeder
9351.0	CW	BPV1	Shanghai, PRC	FX	....	TIME SIGNALS
9360.0	USB	D4A43	Mindelo, Cape Verde Is.	AX/FX	1.0	Naval Tfc
9374.6	CW	D4D	Praia, Cape Verde Is.	FX/AX	....	Tfc
	CW	CQF42	Bissau, Guinea-Bissau	FX/AX	1.0	Tfc
9375.8	CW	CSF36	Ponta Delgada, Azores	FX	1.0	Tfc
9389.5	FAX	WFH29	New York, NY	FX	60.0	Meteo
9391.0	CW	SOJ23	Warsaw (Radom), Poland	FX	20.0	Tfc (Also RTTY)
9395.0	CW	HKM21	Pyongyang, North Korea	FX	....	Tfc (Also RTTY)
9412.5	FAX	JKE6	Tokyo (Usui), Japan	FX	1.0	
9419.0	CW	CUA48	Lisbon (Alfragide), Portugal	FX	10.0	Tfc
9430.0	FAX	ZAT	Tirana, Albania	FX	....
9438.0	FAX	JMJ3	Tokyo (Usui), Japan	FX	5.0	Meteo
9440.0	FAX	NPM	Pearl Harbor Naval Radio, HI	FX	20.0	USN/Meteo
9442.5	ISB	ZEN44	Cape D'Aguilar, Hong Kong	FX	10.0	Tfc
9450.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in EE

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
9480.0	CW AM	HHM56	Pyongyang, North Korea unknown (±10 kHz)	FX FX	.... ....	Tfc NUMBERS in SS
<u>9500.0-9775.0 kHz - International Broadcasting (Worldwide)</u>						
9603.0	USB	....	Hawaii & Central Pacific LORAN Net	FX	....	USCG (For list of stations see 7473.0)
<u>9775.0-9995.0 kHz - Fixed Service (Worldwide)</u>						
9784.0	CW	OMZ28	Prague, Czechoslovakia	FX	1.0	EMBASSY
9785.0	CW	6YK44	Palisadoes, Jamaica	AX	1.0	Aero Tfc
9815.0	ISB	9VE55	Singapore, Singapore	AX	2.5	Aero Tfc
9830.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
9840.3	LSB	FTJ84	Paris (St. Assise), France	FX	20.0	Telcom
9850.0	ISB	HLB67	Seoul, S. Korea	FX	30.0	Tfc
9855.0	FAX	JKC3	Tokyo (Kemigawa), Japan	FX	5.0	
9858.0	LSB	....	Daventry, England	FX	30.0	BBC Feeder
9865.5	LSB	HZP986	Jiddah, Saudi Arabia	FX	20.0	Telcom
9870.0	CW	FDC	Metz-Frescaty, France	FX	....	French Air Force
9875.0	USB	DFJ87	Frankfurt, GFR	FX	20.0	Telcom (Also RTTY)
9880.0	CW	DDK9	Pinneberg, GFR	FX	1.2	Tfc
9885.0	FAX	KJD3	Tokyo, Japan	FX	5.0	
9890.0	CW	CFH	Maritime Command R., Halifax, Canada (Canadian Navy)	FX	10.0	NAWS & Tfc
	FAX	CFH	" " " "	FX	10.0	Meteo (NOAA re- ports seasonal ice broadcasts at 0000 & 1200)
9894.8	LSB	5LF9	Monrovia, Liberia	FX	6.0	Telcom
9905.0	ISB	WEA79	New York, NY	FX	80.0	Telcom
	ISB	RVL24	Khabarovsk, USSR	FX	20.0	Telcom
9910.0	CW	ONN30	Brussels, Belgium	FX	1.0	GDR EMBASSY
	ISB	CSZ51	Lisbon, Portugal	AX	10.0	Aero Tfc
9918.5	LSB	6VK49	Dakar, Senegal	FX	20.0	Telcom
	USB	ABE	Eniwetok Atoll, Marshall Is.	FX	5.0	Telcom
9930.0	CW	....	several, in central Africa	FX	....	Police (Infre- quently used net between Gabon, Kenya, Malawi, Tanzania & Zambia)
	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
9945.0	CW	CTP	Oeiras Naval Radio, Portugal	FX/FC	....	Port. Navy/NATO
9959.9	ISB	LJN23	Ny Aalesund Naval Radio, Spitzbergen	FX	10.0	Norwegian Navy
9970.0	FAX	JMH3	Tokyo, Japan	FX	5.0	Meteo
	USB	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
9970.5	USB	C5B44	Banjul, Gambia	FX	3.0	Telcom
9977.0	USB	....	Marianas LORAN Net	FX	....	USCG (For list of stations see 7580.0)
9980.0	CW	LCJ	Oslo (Jeloey), Norway	FX	40.0	Tfc & Nx
9982.5	FAX	KVM70	Honolulu (International), HI	FX	10.0	Meteo
9983.0	CW	LOK	Orcadas Radio, S. Orkney Is.	FX/FC	0.2	NOAA reports wx broadcast at 1625--March to September--also some FAX
9992.0	USB	NRT2	Gesashi, Okinawa	FX	....	USCG
9996.0	CW	RWM	Moscow, USSR	SS	10.0	TIME SIGNALS
10,000.0	A2	LOL	Buenos Aires, Argentina	SS	2.0	" "
	CW	BPV2	Shanghai, PRC	SS	....	" "
	A2	MSF	Teddington, England	SS	0.5	" "
	AM	WWVH	Kauai, HI	SS	10.0	" "
	A2	ATA	New Delhi, India	SS	8.0	" "
	A2	JJY	Tokyo (Nazaki), Japan	SS	2.0	" "
	CW	RTA	Novosibirsk, USSR	SS	5.0	" "
	CW	RZH	Tashkent, USSR	SS	1.0	" "
	AM	WWV	Fort Collins, CO	SS	10.0	" "
10,004.0	CW	RID	Irkutsk, USSR	SS	1.0	" "

10,005-10,100 kHz - Aeronautical Mobile (Worldwide)

10,009.0	AM/A3H	....	numerous (ICAO MID-2)	FA/MA	....	Airports & in- flight covering entire Middle East
	AM	....	Kiev Aeradio, USSR	FA	....	VOLMET in RR

Aeronautical Mobile Worldwide (con.)

KHz	Mode	Call	Location	Service	kW	Remarks
10,017.0	AM/A3H	....	numerous (ICAO W-CAR)	FA/MA	....	Airports & in-flight covering Central America, western Caribbean & east to Miami
	AM	....	Bangkok Aeradio, Thailand	FA	1.6	VOLMET
	AM	....	Bombay Aeradio, India	FA	0.8	"
	AM	....	Calcutta Aeradio, India	FA	0.8	"
	AM	....	Karachi Aeradio, Pakistan	FA	1.6	"
	AM	....	Singapore Aeradio, Singapore	FA	4.0	"
	AM	VLS	Sydney Aeradio, Australia	FA	3.0	"
10,025.0	AM/A3H	....	numerous (ICAO AFI-5)	FA/MA	....	Airports & in-flight covering Arabian Sea from Bombay south to Johannesburg
	CW	COL	Havana Aeradio, Cuba	FA/MA	....	Aeroflot
	CW	RFNW	Moscow Aeradio, USSR	FA/MA	....	Aeroflot
10,049.0	AM/A3H	....	numerous (ICAO SAT)	FA/MA	....	Airports & in-flight across South Atlantic Ocean from Dakar to Rio de Janeiro
10,073.0	AM	....	Brazzaville Aeradio, Congo	FA	1.5	VOLMET in FF
	AM	....	Tananarive Aeradio, Madagascar	FA	1.3	VOLMET in FF
10,093.0	USB	....	numerous, worldwide, operational	FA/MA	....	Airports & in-flight--particularly ARINC New York to Honolulu (phone patch available)

The frequencies between 10,005 and 10,095 kHz are used by all major airlines/carriers on long flights--particularly over water. Individual air lines will arbitrarily assign themselves various frequencies in this part of the spectrum. This "arrangement" (by BOAC, Lufthansa, El Al, Qantas, Varig, etc.) is very haphazard and subject to change as circumstances require.

10,098.5 CW LFF Rogaland Radio, Norway FC 5.0

10,100.0-11,175.0 kHz - Fixed Service (Worldwide)

10,100.5	CW	KNY28	Washington, DC	FX	1.0	Algerian EMBASSY
10,103.3	ISB	WWL20	San Juan (Cubuy), PR	FX	2.0	Telcom
10,114.7	ISB	TTZ	N'Djamena, Chad	FX	6.0	Telcom/Tfc
10,115.0	CW	8PX	Barbados, Barbados	FX	0.2	Tfc to HIA36
	FAX	BAF4	Beijing, PRC	FX	....	Meteo
	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
10,118.0	USB	RGI24	Moscow, USSR	FX	15.0	R. Moscow Feeder
10,123.1	CW	CSP40	Guarda, Portugal	FX	....	Portuguese Air Force
10,128.0	ISB	JBE30	Tokyo, Japan	FX	10.0	Tfc
10,130.0	FAX	RBW48	Murmansk, USSR	FX	20.0	Meteo
10,135.0	ISB	IRH31	Rome (Torrenova), Italy	FX	10.0	Telcom
10,136.6	CW/USB	....	Fixed Station Emergency Nets	FX	....	USCG (For list of stations see 9125.6)
10,140.0	CW	RUZU	Molodezhnaya USSR Base, Antarctica	FX	....	Tfc
	CW	UGE2	Bellingshausen USSR Base, Antarctica	FX	....	Tfc
10,147.0	USB	TUP	Abidjan, Ivory Coast	FX	2.0	Telcom
10,155.0	ISB	FPK5	Paris (St. Assise), France	FX	10.0	Telcom/Tfc
10,165.0	CW/FAX	RPT31	Tashkent, USSR	FX	50.0	Tfc (Also ISB)
10,166.6	USB	....	Pacific Area Domestic Emergency Net	FX/FC	....	USCG (for list of stations see 7528.6)
10,175.0	ISB	CUA53	Lisbon (Alfragide), Portugal	FX	5.0	Telcom/Tfc
10,180.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in EE
10,185.0	FAX	JTD27	Ulan Bator, Mongolia	FX	10.0	Meteo
	FAX	KWAF	Washington, DC	FX	3.0	Meteo
10,190.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
10,193.5	USB	FPK9	Paris (St. Assise), France	FX	20.0	Telcom
10,197.4	CW/ISB	LCN2	Oslo (Jeloey), Norway	FX	10.0	Tfc
10,200.3	ISB	MKG	London (Stanbridge), England	FX	10.0	RAF Tfc
10,220.1	FAX	....	Khabarovsk, USSR	FX	....	Meteo
10,222.6	USB	....	Guantanamo, Cuba	FX	....	Telcom
10,225.0	FAX	....	Brasilia, Brazil	FX	....	Meteo
10,230.0	FAX	RKA78	Moscow, USSR	FX	15.0	Meteo
10,235.0	LSB	....	Greenville, NC	FX	40.0	VOA Feeder
10,241.5	USB	OXR20	Copenhagen (Skamlebaek), Denmark	FX	15.0	Telcom
10,250.0	FAX	....	Madrid (Vicalv), Spain	FX	5.0	Meteo

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
10,250.0	CW	NDT6	Totsuka, Japan	FX	5.0	USN Tfc
10,255.0	CW	KWS78	Nicosia, Cyprus	FX	....	American
	FAX	NPN	Barrigada (Agana NAS), Guam	FX	15.0	EMBASSY USN Meteo
10,263.5	USB	FZJ2	Dijouti, Dijouti	FX	....	Telcom/Tfc
10,275.0	ISB	9VF251	Singapore (Jurong), Singapore	FX	10.0	Telcom/Tfc
10,286.5	CW	ZIK46	Belize City, Belize	FX	1.0	Tfc (Also RTTY)
10,289.0	USB	CSY53	Santa Maria Aeradio, Azores	AX	10.0	Tfc (Also ISB)
10,302.5	USB	PCK30	Amsterdam (Kootwijk), Netherlands	FX	3.0	Telcom
10,307.1	CW	FDY	Orleans, France	FX	....	French A.F.
10,310.0	CW	ELE10	Harbel, Liberia	FX	15.0	Tfc
10,315.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
10,322.5	CW	HGX21	Budapest, Hungary	FX	....	EMBASSY (Also RTTY)
10,337.5	USB		Norwegian Sea & North Atlantic Ocean LORAN Net	FX	....	USCG (Includes: DML, Sylt, GFR; JXL, Bø, Norway; JXP, Jan Mayen Is.; NMS, Shet- land Is.; OUN, Ejde, Denmark; OVY, Angissoq, Greenland; TFR, Sandur, Ice- land; TFR2, Reykjavik, Iceland & VDB2, St. Anthony, Nfld, Canada)
10,338.0	USB	RME21	Moscow, USSR	FX	50.0	R. Moscow Feeder
10,368.5	USB	....	Aleutian LORAN NET	FX	....	USCG (For list of stations see 6812.0)
10,372.5	CW	ONY27	Rouveroy, Belgium	FX	....	Belgium Army
10,388.5	USB	FSB57	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL
10,390.0	CW	7RA20	Bulgiers, Algeria	FX	0.4	INTERPOL
	CW	AYA47	Buenos Aires, Argentina	FX	1.0	"
	CW	XJE57	Ottawa (Almonte), Canada	FX	1.5	"
	CW	OWS4	Copenhagen, Denmark	FX	1.0	"
	CW	5BP6	Nicosia, Cyprus	FX	3.0	"
	CW	GMP	London (W. Wickham), England	FX	0.8	"
	CW	OGX	Helsinki, Finland	FX	0.5	"
	CW	FSB57	Paris (St. Martin Abbat), France	FX	2.5	"
	CW	DHA33	Wiesbaden, GFR	FX	1.5	"
	CW	4XP41	Tel Aviv, Israel	FX	1.0	"
	CW	IU481	Rome, Italy	FX	0.1	"
	CW	JPA56	Tokyo (Komaki), Japan	FX	10.0	"
	CW	ODW22	Beirut, Lebanon	FX	1.0	"
	CW	LXF50	Luxembourg	FX	1.0	"
	CW	PDB2	Utrecht (Bilthoven), Netherlands	FX	1.0	"
	CW	CNT	Rabat, Morocco	FX	0.5	"
	CW	CSJ26	Lisbon, Portugal	FX	1.0	"
	CW	YO99	Bucharest, Rumania	FX	3.0	"
	CW	EEQ	Madrid, Spain	FX	1.0	"
	CW	SHX	Stockholm, Sweden	FX	1.5	"
	CW	HEP39	Zurich (Waltikon), Switzerland	FX	3.0	"
	CW	TCC2	Ankara, Turkey	FX	0.8	"
	CW	4NX7	Belgrade, Yugoslavia	FX	0.4	"
	AM	9TK21	Kinshasa, Zaire	FX	1.0	"
10,391.5	LSB	TTR103	N'Djamena, Chad	FX	0.3	INTERPOL
10,415.0	ISB	ZPG4	Asuncion, Paraguay	FX	10.0	Telcom/Tfc
10,420.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
10,425.1	ISB	HLQ62	Seoul, S. Korea	FX	5.0	Telcom/Tfc
10,428.0	CW	CMH	Santiago Aeradio, Cuba	AX	....	Tfc
	CW	CMJ	Gen. Peraza Aeradio, Cuba	AX	....	Tfc
10,430.0	USB	5LF10	Monrovia, Liberia	FX	6.0	Telcom
10,430.2	ISB	FTK43	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
10,438.5	USB	KEV39	San Juan Aeradio, PR	AX	....	Tfc
10,440.5	CW	NPO	San Miguel (Capas), Philippines	FX	20.0	USN/TIME SIG- NALS & Tfc
10,440.6	CW	NPN	Barrigada (Agana NAS), Guam	FX	3.0	USN Tfc & Wx
10,457.0	LSB	....	Greenville, NC	FX	50.0	VOA Feeder
10,460.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in EE
10,462.5	ISB	FTK46	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
10,464.0	CW	KWL90	unknown, probably in the Far East	FX	....	USA EMBASSY
10,475.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
10,477.5	CW/ISB	JBE70	Tokyo (Oyama), Japan	FX	5.0	Tfc

Fixed Service Worldwide (con.)

KHz	Mode	Call	Location	Service	KW	Remarks
10,485.0	CW	CUA7	Lisbon (Alfragide), Portugal	FX	5.0	Tfc (Also RTTY)
10,494.5	USB		U.S. Defense Civil Preparedness Agency Daytime Working Frequency			
10,495.0	ISB	MKD	Akrotiri, Cyprus	FX	30.0	RAF Tfc
10,500.0	AM	....	unknown (± 20 kHz)	FX	....	NUMBERS in EE
10,508.1	CW	RIW	Khiva Naval Radio, USSR	FX	....	Russian Navy
10,515.0	ISB	5RY5	Tananarive, Madagascar	FX	20.0	Telcom/Tfc
10,523.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list of stations see 7836.6)
10,525.0	CW	....	several, in Central America	AX	....	Aero Tfc
10,526.3	ISB	5VH305	Lomé, Togo	FX	6.0	Telcom/Tfc
10,539.0	CW	....	several, in Europe & Asia	FX	....	USSR Navy
10,543.0	FAX	DMV54	Berlin, GDR	FX	20.0	Nx
10,555.0	CW	RUZU	Molodezhnaya USSR Base, Antarctica	FX	....	Tfc
	FAX	AXI34	Darwin, Australia	FX	5.0	Meteo
	ISB	CUA54	Lisbon (Alfragide), Portugal	FX	3.0	Telcom/Tfc
10,565.0	CW	FTK56	Paris (St. Assise), France	FX	20.0	Tfc (Also RTTY)
	ISB	XDD229	Mexico City, DF, Mexico	FX	10.0	Telcom/Tfc
10,570.0	AM	....	unknown (± 10 kHz)	FX	....	NUMBERS in EE
10,575.0	USB	....	Enköping Aeradio, Sweden	FA	....	Aero Tfc
10,580.0	ISB	MKD	Akrotiri, Cyprus	FX	30.0	RAF Tfc
10,582.5	ISB	FPK58	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
10,595.0	USB	RKD48	Moscow, USSR	FX	20.0	R. Moscow Feeder
10,602.0	USB	OXR40	Copenhagen (Skamlebaek), Denmark	FX	15.0	Telcom
10,620.0	ISB	EHY38	Madrid (Pozuelo del Rey), Spain	FX	4.0	Telcom
10,635.0	AM	....	Sydney Aeradio, Australia	AX	0.4	Aero Tfc
10,637.0	CW	KKN50	Washington, DC	FX	....	EMBASSY
10,640.0	USB	PVX	Rio de Janeiro (Sepetiba), Brazil	FX	2.5	Telcom
	ISB	JBF60	Tokyo, Japan	FX	10.0	Tfc
10,642.5	CW	KNY26	Washington, DC	FX	1.0	Hungarian EMBASSY (also RTTY)
10,644.7	CW	D4D	Praia, Cape Verde Is.	AX/FX	2.0	Tfc
10,646.8	CW	CSF37	Guarda, Portugal	FX	0.5	Portuguese A.F.
10,650.4	ISB	ODI65	Beirut, Lebanon	FX	2.0	Tfc
10,660.0	USB	RZA27	Moscow, USSR	FX	15.0	R. Moscow Feeder
10,678.0	ISB	MKG	London (Stanbridge), England	FX	30.0	RAF Tfc
10,680.5	CW	KRH50	London, England	FX	....	USA EMBASSY (also RTTY)
10,690.0	USB	RKM22	Irkutsk, USSR	FX	20.0	R. Moscow Feeder
10,694.0	USB	TZB910	Bamako, Mali	FX	20.0	Telcom
10,698.0	CW	"W"	unknown	RC	....	Beacon?
10,707.0	ISB	KUQ20A	Pago Pago, American Samoa	FX	4.0	Telcom/Tfc
10,710.0	ISB	IRH27	Rome (Torrenova), Italy	FX	10.0	Telcom
10,715.0	USB	IRH37	Rome (Torrenova), Italy	FX	10.0	Telcom
10,720.0	FAX	LRB72	Buenos Aires (Gen. Pacheco), Argentina	FX	....	Meteo
	CW	SNN92	Warsaw, Poland	FX	....	EMBASSY
10,724.0	CW	P6Z	Paris, France	FX	....	EMBASSY
10,730.0	ISB	ELA20	Monrovia, Liberia	FX	10.0	Telcom/Tfc
10,732.5	USB	CLL50	Amsterdam (Kootwijk), Netherlands	FX	30.0	Telcom/Tfc
10,740.0	A3H	RKA72	Moscow, USSR	FX	20.0	R. Moscow Feeder
10,765.0	ISB	FTK76	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
	ISB	FZJ7	Djibouti, Djibouti	FX	....	Telcom/Tfc
10,770.0	ISB	CXL24	Montevideo, Uruguay	FX	2.5	Telcom
10,775.0	ISB	FTK77	Paris (St. Assise), France	FX	20.0	TIME SIGNALS/Telcom
10,780.0	USB	AFE70	"Cape Radio" Cocoa, FL	FX	40.0	Atlantic Mis-
			side Range Control (may be inactive)			
	USB	....	numerous, in Atlantic Ocean Area	FA/MA	....	USN
10,788.0	ISB	CLN300	Havana, Cuba	FX	10.0	Tfc
10,799.5	USB	5VH308	Lomé, Togo	FX	20.0	Telcom
10,800.0	CW	SNN99	Warsaw, Poland	FX	....	EMBASSY
10,820.7	ISB	FTK82	Paris (St. Assise), France	FX	20.0	Telcom/Tfc (Also RTTY)

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
10,833.0	LSB	....	numerous, in Argentina	FX	1.0	Tfc Net
10,836.0	LSB	TUP8	Abidjan, Ivory Coast	FX	2.0	Telcom
10,844.0	USB	5UR8	Niamey, Niger	FX	20.0	Telcom
10,845.0	USB	A9M43	Hamala, Bahrain	FX	10.0	Telcom
10,846.0	ISB	IRH28	Rome (Torrenova), Italy	FX	10.0	Telcom/Tfc
10,847.5	CW	....	several, in Caribbean	AX	....	Aero Tfc
10,855.0	LSB	....	Sverdlovsk, USSR	FX	15.0	R. Moscow Feeder
10,857.5	ISB	JBF50	Tokyo, Japan	FX	30.0	Tfc
10,860.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
10,865.0	USB	....	Beijing, PRC	FX	....	R. Beijing Feeder
	FAX	NAM	Norfolk Naval Radio, VA	FX	2.5	USN Meteo
	CW	....	numerous, mostly Atlantic Coast	FX	....	USN (Also RTTY)
10,869.0	LSB	....	Bethany, OH	FX	40.0	VOA Feeder
10,876.0	CW	COZ67	Havana, Cuba	FX	....	USSR Navy
10,882.5	ISB	5LA10	Monrovia (Careysburg), Liberia	FX	....	VOA Feeder (Also RTTY)
10,892.0	USB	4WA49	Ghuraff, Yemen, Arab Republic of	FX	10.0	Telcom/Tfc
10,894.5	LSB	TYK8	Cotonou, Benin	FX	....	Telcom/Tfc
10,902.1	CW/RTTY	KAA60	Grand Island, NE	FX	2.5	FCC Backup Net
	CW/RTTY	KCA35	Belfast, ME	FX	1.0	" " "
	CW/RTTY	KCA38	Canandaigua, NY	FX	1.0	" " "
	CW/RTTY	KGA91	Laurel, MD	FX	2.5	" " "
	CW/RTTY	KGA93	Washington, DC	FX	1.0	" " "
	CW/RTTY	KIA84	Powder Spring, GA	FX	1.0	" " "
	CW/RTTY	KIA85	Ft. Lauderdale, FL	FX	1.0	" " "
	CW/RTTY	KQA62	Allegan, MI	FX	1.0	" " "
This is one frequency of about 12 channels available to the Federal Communications Commission for landline backup. Most of the little traf- fic passed is in RTTY, but CW was monitored here in 1978.						
10,905.0	ISB	CUA55	Lisbon (Alfragide), Portugal	FX	10.0	Telcom/Tfc
10,920.0	ISB	VSJ10	Seribegawan, Brunei	FX	10.0	Telcom/Tfc
10,922.0	LSB	DFK92	Frankfurt, GFR	FX	20.0	Telcom
			(Has been used as Deutsche Welle feeder)			
10,944.8	CW	CFH	Maritime Command R., Halifax, Canada (Canadian Navy)	FX	5.0	NAWS & Tfc
10,958.5	USB	....	Mediterranean LORAN Net	FX	....	USCG (For list of stations see 6943.5)
10,961.0	ISB	9VF284	Singapore, Singapore	FX	10.0	Telcom/Tfc
10,966.0	FAX	NPO	San Miguel (Capas), Philippines	FX	15.0	USN Meteo
10,980.0	FAX	....	Moscow, USSR	FX	....	Meteo
10,981.3	CW	CTH	Horta Naval Radio, Azores	FX	3.0	NOAA reports wx broadcast at 0930
11,004.3	USB	FTL	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
11,005.0	CW	NAM	Norfolk Naval Radio, VA	FX/FC	10.0	USN Tfc
11,007.5	CW	JWT	Stavanger Naval Radio, Norway	FX/FC	....	Norwegian Navy
11,010.0	CW	CNO98	Casablanca, Morocco	FX	0.5	NOAA reports wx broadcast at 0835
11,012.5	FAX	JAL21	Tokyo, Japan	FX	5.0	Nx (Also RTTY)
11,015.0	CW	CTV81	Monsanto Naval Radio, Portugal	FX/FC	3.0	Portuguese Navy
11,022.3	USB	TLZ10	Bangui, Central African Empire	FX	20.0	Telcom/Tfc
11,028.0	USB	....	Marianas LORAN Net	FX	....	USCG (For list of stations see 7580.0)
11,030.0	FAX	AXM34	Canberra, Australia	FX	20.0	Meteo (Also RTTY)
11,033.9	USB	FTL3	Paris (St. Assise), France	FX	20.0	Telcom
11,035.0	FAX	WFL51	New York, NY	FX	20.0	Meteo
11,039.0	CW	DDH9	Pinneberg, GFR	FX	20.0	Tfc
11,040.0	ISB	A9M50	Hamala, Bahrain	FX	3.5	Telcom
11,065.0	CW	PWI	Recife, Brazil	FX	2.0	Tfc
	ISB	FTL6	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
	ISB	9VF69	Singapore, Singapore	FX	5.0	Telcom/Tfc
11,069.0	LSB	....	Daventry, England	FX	30.0	BBC Feeder

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
11,080.0	CW	HXX31	Paris (St. Assise), France	FX	3.0	Meteo Tfc
11,086.0	FAX	GFA24	Bracknell, England	FX	2.5	Meteo
11,090	FAX	KVM70	Honolulu (International), HI	AX	10.0	Meteo/Air
	CW	KNY25	Washington, DC	FX	1.0	Rumanian EM- BASSY (Also RTTY)
11,095.0	CW	KKN50	Washington, DC	FX	10.0	EMBASSY
11,095.3	USB	XTA9	Ouagadougou, Upper Volta	FX	6.0	Telcom
11,097.0	FAX	LMO	Oslo, Norway	FX	0.5	Meteo
11,106.0	CW	KNY29	Washington, DC	FX	1.0	British EM- BASSY (Also RTTY)
11,110.0	USB	....	unknown (±10 kHz)	FX	....	NUMBERS in GG
11,112.0	ISB	9VE36	Singapore, Singapore	FX/AX	3.0	Tfc (Also RTTY)
11,115.0	ISB	AEA	Heidelberg/Pirmasens, GFR	FX	10.0	US Army
11,115.2	ISB	6VK311	Dakar, Senegal	FX	4.0	Telcom/Tfc
11,115.3	ISB	3XF27	Conakry, Guinea	FX	....	Telcom/Tfc
11,120.0	USB	....	Göteborg Radio, Sweden	FC/FX	10.0	
11,125.0	CW	8PX51	Bridgetown, Barbados	FX	3.0	Tfc (Also RTTY)
11,129.9	ISB	ETK	Addis Ababa, Ethiopia	FX	10.0	Tfc
11,130.0	USB	NAW34	Guantanamo, Cuba	FX	....	Telcom
	CW	ZLX22	Wellington (Himatangi), New Zealand	FX/FC	5.0	NOAA reports
<i>wx broadcasts at 0200, 0500, 0520, 0815, 0840, 0910, 1400, 1800, 2015, 2040 & 2110</i>						
11,134.8	CW	PBC5	Goeree Naval Radio, Netherlands	FX/FC	3.0	Dutch Navy (Also RTTY)
11,135.0	ISB	HLB40	Seoul, S. Korea	FX	20.0	Telcom/Tfc
11,140.0	CW	CTV71	Monsanto Naval Radio, Portugal	FX/FC	3.0	Portuguese Navy (Also RTTY)
11,147.0	CW	LOK	Orcadas, South Orkeny Is.	FX/FC	....	NOAA reports
<i>wx broadcast at 1625--March to September--also some FAX</i>						
11,148.7	CW	CTU71	Monsanto Naval Radio, Portugal	FX/FC	3.0	Portuguese Navy
11,154.5	CW	"K"	unknown	RC	....	Beacon?
11,157.0	CW	RCF	Moscow, USSR	FX	....	Tfc
11,165.2	CW	LMB	Bergen, Norway	FX	0.5	NOAA reports
<i>wx broadcasts at 1305 & 2240</i>						
	ISB	5TA17	Nouadhibou, Mauritania	FX	6.0	Telcom/Tfc

11,175.0-11,400 kHz - Aeronautical Mobile (Worldwide)

11,176.0	USB	....	numerous, worldwide	FA/MA	....	USAF (Includes: AIE, Andersen AFB, Guam; AHF, Albrook, AFB, Canal Zone; AJE, Croughton, England; AKA, Elmendorf AFB, AK, etc.)
11,179.0	USB	....	numerous, worldwide	FA/MA	....	USAF (Includes: AFA, Andrews AFB, MD; AFE, MacDill AFB, FL; Hickam AFB, HI; Andersen AFB, Guam, etc.)
11,179.8	CW	MKL	Pitreavie Castle, Scotland	FA	....	RAF Tfc & Wx
11,180.0	USB	AFA	Andrews AFB, MD	FA	....	USAF (Also has <i>been used by "Air Force One" when overseas)</i>
11,182.0	USB	....	numerous, in the USA	FA/MA	....	USAF/NASA (In addition to use by Loring AFB, Maxwell AFB, Scott AFB, etc., this channel also used by foreign Allied military in-flight to/from the USA)
11,188.0	CW	....	several, in Norway	FX	....	Norwegian Army
11,191.0	USB	....	numerous, worldwide	FA/MA	....	USN
11,192.0	USB	....	Novosibirsk Aeradio, USSR	FA	....	VOLMET in EE/RR
11,195.0	USB	....	numerous, 48 contiguous States, only	FA/MA	...	USCG
11,198.0	AM	....	Moscow (Sheremetievo), USSR	FA	....	VOLMET in RR (This frequency also reportedly used by Russian VOLMET stations at Leningrad, Riga and Rostov na Donu)
	USB	....	numerous, in the USA	FA/MA	....	USCG Helicopters
11,200.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
	CW	MVU	West Drayton (Upavon), England	FA	2.5	RAF Tfc & Wx
11,201.0	USB	....	numerous, in the USA	MA	....	USCG/USN (Major air/surface frequency)
11,209.0	USB	....	several, in Canada & Europe	FA/MA	....	RCAF (Includes: CHR, Trenton Military, Ontario; CJX, St. Johns Military, Nfld.; DHM95, Lahr Military, GFR and VXA, Edmonton Military, Alta.)
11,222.0	USB	....	Enköping, Sweden	FA	5.0	Meteo & Tfc
11,226.0	LSB	....	numerous, worldwide	FA/MA	....	USAF (For list of possible stations see 8989.0 & 11,176.0)

Aeronautical Mobile Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
11,233.0	USB	....	several, in Canada & Europe	FA/MA	....	RCAF (For list of stations see 11,209.0)
11,234.0	USB	....	several, in Europe MKL, Pitreavie Castle, Scotland; MLJ, Plymouth, England; MLU, Gibraltar; MPU, Luga, Cyprus, etc.)	FA/MA	....	RAF (Includes: MLJ, Plymouth, England; MLU, Gibraltar; MPU, Luga, Cyprus, etc.)
11,239.0	USB	AFI	McClellan AFB, CA	FA/MA	....	USAF
11,243.0	USB	....	numerous "Sky King" broadcasts--many code names for Air Bases--this frequency sometimes called "Alfa One")	FA/MA	....	USAF (Used for "Sky King" broadcasts--many code names for Air Bases--this frequency sometimes called "Alfa One")
11,246.0	USB	....	numerous, particularly MacDill AFB	FA/MA	....	USAF/USCG/USN
11,247.0	USB	....	numerous, in Australasia	FA/MA	....	RAAF/RNZAF
11,249.0	USB	....	several, in Far Pacific	FA/MA	....	USAF
11,249.0	USB	....	several, in USA	FA/MA	....	USAF
11,249.0	USB	CZW	Halifax Military, Canada	FA	....	RCAF Wx Bcbest
11,255.0	USB	....	numerous, worldwide (Antarctica)	FA/MA	....	USN
11,258.0	USB	....	numerous, particularly in Pacific	FA/MA	....	USN
11,265.0	USB	....	several, in Canada & Europe	FA/MA	....	RCAF (For list of stations see 11,209.0)
11,267.0	USB	....	numerous, worldwide	FA/MA	....	USN (Sometimes considered primary coordinating frequency)

The frequencies between 11,175.0 and 11,275.0 kHz are used by all Allied Air and Naval Forces in 1.0 kHz increments. There are hundreds of code names for various bases that are changed or rotated on a random basis to confuse and circumvent positive identification.

11,279.0	AM	....	Khabarovsk Aeradio, USSR	FA	....	VOLMET in RR
11,303.0	AM/A3H	....	numerous (ICAO CWP 1 & 2, EUR-A) in-flight covering all of northern Pacific Ocean from Honolulu, Manila & Tokyo to Ulan Bator. Also all of Central Europe from Cairo to Leningrad and west to Spain	FA/MA	....	Airports & in-flight covering all of northern Pacific Ocean from Honolulu, Manila & Tokyo to Ulan Bator. Also all of Central Europe from Cairo to Leningrad and west to Spain
11,312.0	AM/USB	....	Paid in-flight Services to International Carriers			
11,312.0	CW	COL	Havana, Cuba	FA/MA	....	Aeroflot
11,312.0	CW	RENV	Moscow, USSR	FA/MA	....	Aeroflot
11,327.0	AM/A3H	....	numerous (ICAO C-SAM, NE-SAM & SE-CAM) in-flight covering entire eastern half of South America	FA/MA	....	Airports & in-flight covering entire eastern half of South America
11,343.0	AM/A3H	....	numerous (ICAO E-CAR, NW-SAM & SW-SAM) in-flight covering the eastern Caribbean north to New York and south to Bogota and Paramaribo. Also the entire western half of South America	FA/MA	..	Airports & in-flight covering the eastern Caribbean north to New York and south to Bogota and Paramaribo. Also the entire western half of South America
11,367.0	AM/A3H	...	numerous (ICAO E-CAR) in-flight covering the eastern Caribbean north to New York and south to Bogota and Paramaribo	FA/MA	....	Airports & in-flight covering the eastern Caribbean north to New York and south to Bogota and Paramaribo
11,375.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in EE
11,391.0	AM	....	Paris Aeradio, France	FA	10.0	VOLMET in FF
	AM	OKL	Prague Aeradio, Czechoslovakia	FA	1.6	VOLMET in EE
	AM	4XL	Ben Gurion Aeradio, Israel	FA	2.0	VOLMET in EE
	CW	....	numerous, Moscow to Havana	FA/MA	....	Aeroflot
11,397.5	CW	LFV3	Rogaland Radio, Norway	FA/FC	5.0	

11,400.0-11.700.0 kHz - Fixed Service (Worldwide)

11,402.0	CW	CCS	Santiago Naval Radio, Chile	FC/FX	....	Chilean Navy
11,404.8	USB	6VK511	Dakar, Senegal	FX	6.0	Telcom
11,411.4	ISB	MKG	London (Stanbridge), England	FX	30.0	RAF Tfc
11,412.0	USB	OKR31	Copenhagen (Skamlebaek), Denmark	FX	15.0	Telcom/Tfc
11,416.9	ISB	HZQ141	Jiddah, Saudi Arabia	FX	....	Telcom/Tfc
11,425.0	LSB	CUG30	Lisbon (Alfragide), Portugal	FX	10.0	Telcom
11,427.0	ISB	ZPG14	Asuncion, Paraguay	FX	10.0	Telcom/Tfc
11,428.0	ISB	HSD94	Bangkok, Thailand	FX	7.5	Telcom/Tfc
11,430.0	ISB	MKG	London (Stanbridge), England	FX	30.0	RAF Tfc
11,434.6	CW/USB	....	Fixed Station Emergency Net	FX	....	USCG (For list of stations see 9125.6)
	CW/USB	....	Pacific Area Domestic Emergency Net	FC/FX	....	(For list of stations--except NOJ--see 9125.6)

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
11,435.0	CW	OVC	Groennedal, Greenland	FC/FX	5.0	Danish Marine
11,440.0	CW	PLC	Jakarta, Indonesia	FX	3.0	TIME SIGNALS
11,444.9	ISB	CUG21	Ponta Delgada, Azores	FX	3.0	Tfc
11,448.0	CW	KNY37	Washington, DC	FX	1.0	GDR EMBASSY
11,450.0	CW	3ND	Nandi, Fiji	AX	3.0	Aero Tfc
11,454.0	CW	LBA9	Stavanger Naval Radio, Norway	FX	....	Norwegian Navy (aka JWT & LBA2)
11,461.0	CW	WFK21	New York, NY	FX	40.0	Tfc/Nx
11,465.0	ISB	VLN	Sydney (Doonside), Australia	FX	30.0	Telcom/Tfc
11,472.0	ISB	ZPG15	Asuncion, Paraguay	FX	10.0	Telcom
11,477.5	ISB	TNH4	Brazzaville, Congo	FX	20.0	Telcom
11,480.0	ISB	RGE32	Moscow, USSR	FX	20.0	Telcom
11,485.0	ISB	SZU35	Athens, Greece	FX	20.0	Telcom
11,494.0	CW	SOL54	Warsaw, Poland	FX	10.0	Tfc (Also RTTY)
11,495.0	ISB	5YF52	Nairobi, Kenya	FX	8.0	Telcom
	ISB	....	Moscow, USSR	FX	....	R. Moscow Feeder
11,500.0	CW	8BB	Jakarta, Indonesia	FC/FX	3.0	NOAA reports wx broadcast at 0830
11,513.5	USB	....	North Atlantic (East Coast) LORAN Net	FX	....	USCG (For list of stations see 9278.5)
11,513.6	CW/USB	....	Fixed Station Emergency Net	FX	....	USCG (For list of stations see 9125.6)
	CW/USB	....	Pacific Area Domestic Emergency Net	FC/FX	....	USCG (For list of stations see 9125.6)
11,535.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
11,538.0	CW	HEP58	Zurich (Waltikon), Switzerland	FX	1.5	INTERPOL
	CW	OEQ45	Vienna, Austria	FX	1.0	"
	CW	SHX	Stockholm, Sweden	FX	1.5	"
11,538.2	CW	CTR71	Monsanto Naval Radio, Portugal	FX	3.0	Portuguese Navy (Also RTTY)
11,544.9	ISB	LDP	Longyearbyen, Spitsbergen	FX	10.0	Tfc
11,550.0	ISB	MKG	London (Stanbridge), England	FX	5.0	RAF Tfc
11,552.0	CW/USB	NGD	McMurdo Sound, Antarctica	FX	5.0	USN (Reported use among all American Antarctic bases--seasonally--and some RTTY)
11,560.0	CW	CMA29	Havana, Cuba	FX	1.0	Tfc
	USB	TUA211	Abidjan, Ivory Coast	FX	....	Telcom
11,562.0	ISB	CSS414	Ponta Delgada, Azores	FX	....	Telcom
11,570.0	CW	HMN53	Pyongyang, North Korea	FX	....	Tfc & Nx
11,574.2	CW	DBW7	Berlin, GDR	FX	....	MFA/ZID (Also RTTY)
11,575.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
	ISB	....	Moscow, USSR	FX	....	R. Moscow Feeder
11,577.5	CW	HXZ30	Paris (St. Assise), France	FX	1.6	Meteo
11,590.0	ISB	....	Kigali, Rwanda	FX	....	Telcom/Tfc
11,600.0	USB	....	Moscow, USSR	FX	....	R. Moscow Feeder
11,606.0	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list of stations see 7836.6)
11,607.0	USB	AFS	Offutt AFB, NE	FX	0.5	USAF NORAD
11,608.0	ISB	TTZ6	N'Djamena, Chad	FX	20.0	Telcom
11,615.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in GG
11,615.5	FAX	VFE	Edmonton, Alta., Canada	FX	5.0	Meteo
11,620.0	CW	HLL	Seoul Radio, S. Korea	FX/FC	0.5	NOAA reports wx broadcasts at 0000 & 1200
	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in EE
11,630.0	ISB	....	Beijing, PRC	FX	....	R. Beijing Feeder
11,630.0	CW	RUP	Krasnoyarsk, USSR	FX	....	Tfc
11,635.0	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY
11,660.0	ISB	....	Beijing, PRC	FX	....	R. Beijing Feeder
	ISB	CXL25	Montevideo, Uruguay	FX	2.5	Telcom
11,662.0	A3A	C8N27	Maputo, Mozambique	FX	10.0	Telcom
11,665.0	ISB	FZP6	Papeete, Tahiti	FX	20.0	Telcom

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
11,675.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
11,687.5	CW	NAM	Norfolk Naval Radio, VA	FX/FC	100.0	USN Tfc
<u>11,700.0-11,975.0 kHz - International Broadcasting</u>						
11,865.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
<u>11,975.0-12,330.0 kHz - Fixed Service (Worldwide)</u>						
11,979.7	ISB	5TN28	Nouakchott, Mauritania	FX	2.0	Telcom/Tfc
12,000.0	AM	VNG	Lyndhurst, Australia	SS	10.0	TIME SIGNALS
12,003.5	CW/USB	....	several, west coast of USA	FX	....	USN (Includes: NPC, Seattle, Wa.; NPG, San Francisco, CA; NPL, San Diego, CA, etc.)
12,008.0	CW	EBC	Cadiz (Tarifa), Spain	FX/FC	0.5	TIME SIGNALS
12,022.5	CW	KKN50	Washington, DC	FX	10.0	EMBASSY (This frequency also used by KEA32 & KKN43)
12,025.0	FAX	PWZ	Rio de Janeiro, Brazil	FX/FC	....	BN/USN Meteo
12,080.0	LSB	FZF20	Papeete, Tahiti	FX	10.0	Telcom
12,090.5	CW	NPN	Barrigada (Agana NAS), Guam	FX/FC	20.0	USN Tfc
12,100.0	USB	RTU40	Moscow, USSR	FX	15.0	R. Moscow Feeder
12,105.0	CW	OZL61	Angmagssalik, Greenland	FC/FX	2.0	NOAA reports ice broadcast at 1600
12,105.9	ISB	....	Jakarta, Indonesia	FX	....	Tfc (Also RTTY)
12,110.0	FAX	BAF33	Beijing, PRC	FX	....	Meteo
	CW	ZBP	Pitcairn Island	FX	0.7	Tfc
12,111.5	CW	KKN50	Washington, DC	FX	10.0	EMBASSY
12,115.1	ISB	LJN25	NY Aalesund Naval Radio, Spitsbergen	FX	10.0	Norwegian Navy
12,124.0	CW	SNN23	Warsaw, Poland	FX	....	EMBASSY
12,125.0	CW	CKN	Vancouver Forces Radio, Canada	FX/FC	10.0	Canadian Navy
	FAX	CKN	Vancouver Forces Radio, Canada	FX/FC	10.0	RCNavy/Meteo
	USB	TNH21	Brazzaville, Congo	FX	20.0	Telcom/Tfc
12,128.0	ISB	FZC21	Cayenne, French Guiana	FX	6.0	Telcom
12,129.0	ISB	....	Daventry, England	FX	30.0	BBC Feeder
12,135.0	CW	NAM	Norfolk Naval Radio, VA	FX/FC	20.0	USN NOAA re- ports wx broadcasts at 0030, 0630, 1230 & 1900--seasonal ice at 0500 & 1700
12,148.0	ISB	MKE	Akrotiri, Cyprus	FX	10.0	RAF Tfc
12,148.6	CW/USB	....	Fixed Station Emergency Net	FX	....	USCG (For list of stations see 9125.6)
12,150.0	USB	....	Aleutian LORAN Net	FX	....	USCG (For list of stations see 6812.0; but less NOJ)
	USB	....	West Indies LORAN Net	FX	....	USCG (For list of stations see 7530.0)
12,155.1	ISB	LDR	Oslo (Jeloey), Norway	FX	10.0	Telcom/Tfc
12,160.0	A3A	RGD25	Moscow, USSR	FX	20.0	Telcom
12,165.0	USB	RKB78	Moscow, USSR	FX	20.0	R. Moscow Feeder (Also FAX/RTTY)
12,173.6	USB	....	Pacific Area Domestic Emergency Net	FC/FX	....	USCG (For list of stations see 7528.6)
12,175.0	USB/AM	....	Reykjavik, Iceland	FX	12.0	Telcom
	LSB	RCD34	Moscow, USSR	FX	20.0	R. Moscow Feeder
12,178.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
12,180.1	A3A/CW	CSR26	Lisbon, Portugal	FX	3.0	Telcom/Tfc
12,184.0	FAX	AOK	Rota (Moron AB), Spain	FX	15.0	USN/Meteo
12,195.0	ISB	9VF74	Singapore, Singapore	FX	3.0	Tfc (Also RTTY)
12,200.0	CW	NPO	San Miguel (Capas), Philippines	FX/FC	5.0	USN TIME SIG-
		NALS &	Tfc // NPN--NOAA reports wx broadcasts at 0400, 1300, 1700 & 2300			
12,201.0	FAX	KWAF	Washington, DC	FX	3.0	Meteo
12,205.0	USB	....	Hawaii & Central Pacific LORAN NET	FX	....	USCG (For list of stations see 7473.0)
	CW	NDT6	Totsuka, Japan	FX/FC	5.0	USN Tfc
	LSB	RDT72	Alma Ata, USSR	FX	15.0	R. Moscow Feeder
12,207.5	ISB	CUG41	Ponta Delgada, Azores	FX	10.0	Telcom/Tfc
12,210.0	CW	KWL90	unknown, probably in the Far East	FX	....	USA EMBASSY

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
12,217.5	USB	....	numerous, throughout the USA	FX	....	DCPA (This is one of several "working" frequencies assigned to the US Defense Civil Preparedness Agency. Others have been noted throughout this book. At the time of preparation, this frequency appeared to be the one most commonly used. Stations heard have included KPA65, Denton, TX; KPA71, Maynard, MA; KPA72, Olney, MD. Note the use of the prefix "KPA")
12,224.5	CW	....	several, in Europe	FX	....	INTERPOL (Operating on this frequency are DHA33, Weisbaden, GFR; HEP25, Zurich, Switzerland; OEQ46, Vienna, Austria and SHX, Stockholm, Sweden)
12,237.1	ISB	FZS22	Bel Air, Reunion	FX	20.0	Telcom/Tfc
12,238.5	USB	ONN34	Brussels, Belgium	FX	1.0	Iranian EMBASSY
12,240.0	ISB	CSY42	Santa Maria, Azores	AX	10.0	Tfc (Also RTTY)
	ISB	....	Moscow, USSR	FX	....	R. Moscow Feeder
12,246.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
12,247.0	CW	....	several (ICAO AFI-3)	AX	....	Aero Tfc (Net in northeast corner of Africa, Arabia and eastward to Bombay)
12,252.0	ISB	RHA41	Moscow, USSR	FX	....	R. Moscow Feeder
12,255.0	USB	VJM	Macquarie Island, Antarctica	FX	1.5	Telcom
	USB	VLV	Mawson Base, Antarctica	FX	5.0	"
	USB	VNJ	Casey Base, Antarctica	FX	10.0	"
			(Australian National Antarctic Research Expedition)			
	ISB	TZA512	Bamako, Mali	FX	....	Telcom/Tfc
12,270.0	CW	....	several, in southern Pacific Ocean	AX	....	Aero (Net among the islands including; Fiji, Gilberts, Naura, New Hebrides, Solomon, Tonga, Tuvalu, etc.)
12,270.1	ISB	BAZ53	Beijing, PRC	FX	....	Telcom/Tfc
12,290.0	USB	....	Lyndhurst, Australia	FX	....	RA Feeder
12,294.7	ISB	FZX322	Miquelon, St. Pierre & Miquelon Is.	FX	6.0	Telcom/Tfc
12,305.0	FAX	FTM30	Paris (St. Assise), France	FX	20.0	Meteo
	CW	VTP	Vishakhapatnam Naval Radio, India	FX/FC	....	Indian Navy
12,307.0	CW	OBC3	Callao, Peru	FX	....	TIME SIGNALS/Tfc
12,320.0	FAX	....	Novosibirsk, USSR	FX	....	Meteo
12,322.0	FAX	JKC3	Tokyo (Kemigawa), Japan	FX	5.0	Meteo/Nx
12,329.0	CW	OVC	Groennedal, Greenland	FX	5.0	Danish Marine
	CW	OVG	Frederikshaven Naval Radio, Denmark	FX	5.0	Danish Marine

12,330.0-13,200.0 kHz - Maritime Mobile (Worldwide)

12,333.1	USB	WCM	Pittsburgh, PA	FC/MS	0.8	Inland Waterway
	USB	WJG	Memphis, TN	FC/MS	0.8	Inland Waterway (Temporary FCC Order)
12,429.2	USB	....	Atlantic & Pacific Voice Circuits	FC/MS	....	USCG (For list of stations see 8291.1)
	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Includes similar stations as detailed at 6221.6 and 8291.1
12,432.3	USB	NMC	San Francisco CG Radio, CA	FC/MS	....	USCG
	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Includes similar stations as detailed at 6221.6 and 8291.1
12,435.4	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Also USCG Above
12,653.5	CW	HKC	Buenaventura Radio, Colombia	FC	0.5	
12,655.0	CW	CWM	Montevideo Armada Radio, Uruguay	FC	00.5	Uruguayan Navy
12,655.5	CW	FFT6	St. Lys Radio, France	FC	10.0	
12,659.0	CW	LZW5	Varna Radio, Bulgaria	FC	5.0	
12,659.4	CW	9VG37	Singapore Radio, Singapore	FC	3.0	
12,660.0	CW	YIR	Basrah Control, Iraq	FC	1.0	
	CW	S7Q	Seychelles Radio, Seychelles	FC	1.0	
	CW	WSL	Amagansett Radio, NY	FC	30.0	
12,661.1	CW	6VA6	Dakar Radio, Senegal	FC	4.0	
12,661.6	CW	UMV	Murmansk Radio, USSR	FC	15.0	
12,666.5	CW	5BA	Nicosia Radio, Cyprus	FC	15.0	
12,667.0	CW	JCX	Naha Radio, Okinawa, Japan	FC	2.0	
12,669.0	CW	9GA	Takoradi Radio, Ghana	FC	10.0	
12,669.3	CW	OFJ3	Helsinki Radio, Finland	FC	10.0	
12,671.5	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
12,673.5	CW	CLA33	Havana (Cojimar) Radio, Cuba	FC	5.0	
12,673.6	CW	JOU	Nagasaki Radio, Japan	FC	15.0	
12,675.0	CW	XFK	La Paz Baja California Radio, Mexico	FC	0.5	
	CW	ASK	Karachi Radio, Pakistan	FC	1.0	
12,675.5	CW	A4M	Muscat Radio, Oman	FC	1.0	
12,677.8	CW	9MG2	Penang Radio, Malaysia	FC	1.0	
12,678.0	CW	FFS6	St. Lys Radio, France	FC	10.0	
	CW	YJM3	Port-Vila Radio, New Hebrides	FC	0.5	
	CW	UQB	Kholmok Radio, USSR	FC	15.0	
12,679.5	CW	YIR	Basrah Control, Iraq	FC	1.0	
12,681.5	CW	DHS	Rügen Radio, GDR	FC	10.0	
12,862.5	CW	TNA12	Pointe-Noire Radio, Congo	FC	2.0	
	CW	PKE	Ambina Radio, Indonesia	FC	1.0	
	CW	PKF	Makassar Radio, Indonesia	FC	1.0	
	CW	PKP	Dumai Radio, Indonesia	FC	1.0	
	CW	PNK	Jayapura Radio, Indonesia	FC	1.0	
	CW	LFC	Rogaland Radio, Norway	FC	5.0	
12,862.6	CW	ODR4	Beirut Radio, Lebanon	FC	1.0	
12,867.0	CW	PPR	Rio Radio, Brazil	FC	1.0	
	CW	OF14	Helsinki Radio, Finland	FC	10.0	
	CW	JCT	Choshi Radio, Japan	FC	3.0	
12,688.6	CW	YLZ	Ventspils Radio, Latvian SSR	FC	....
12,689.0	CW	FUX	Le Port Radio, Reunion	FC	5.0	French Navy
12,689.5	CW	PPJ	Junçao Radio, Brazil	FC	1.0	NOAA reports
wx broadcasts at 0400 & 2020						
12,690.0	CW	ZAD2	Durrës Radio, Albania	FC	1.0	
12,691.0	CW	NST	Thurso, Scotland	FC	10.0	USN NOAA re-
ports wx broadcasts at 0030, 0630, 1230 & 1900--seasonal ice at 0500 & 1700						
12,692.2	CW	ZRQ5	Cape (Simonstown) Naval Radio, RSA	FC	15.0	RSA Navy
12,693.0	CW	HLO	Seoul (Mogpo) Radio, S. Korea	FC	....
	CW	URD	Leningrad Radio, USSR	FC	15.0	
12,695.0	CW	ZRQ6	Cape (Simonstown) Naval Radio, RSA	FC	15.0	RSA Navy
12,695.4	CW	XSX	Keelung Radio, Taiwan	FC	2.5	NOAA reports
wx broadcasts at 0430, 1030, 1630 & 2230						
12,695.5	CW	CNP	Casablanca Radio, Morocco	FC	2.0	
	CW	KFS	San Francisco Radio, CA	FC	10.0	NOAA reports
wx broadcasts at 0430, 1620, 2200 & 2300						
12,697.0	CW	UBN	Jdanov, Donetsk Radio, USSR	FC	15.0	
12,697.8	CW	FUJ	Noumea Naval Radio, New Caledonia	FC	10.0	French Navy
12,698.0	CW	AGM	Bahrain Radio, Bahrain	FC	2.0	
	CW	PPL	Belém Radio, Brazil	FC	1.0	
	CW	ZSC9	Cape Town Radio, RSA	FC	10.0	TIME SIGNALS/Tfc
12,700.0	CW	3DP	Suva Radio, Fiji	FC	0.3	AMVER
	CW	NMN	Portsmouth CG Radio, VA	FC	10.0	USCG/AMVER
	CW	NMR	San Juan CG Radio, PR	FC	10.0	USCG/AMVER
12,700.5	CW	XSQ4	Guangzhou Radio, PRC	FC	2.0	
12,702.0	CW	CKN	Vancouver Forces Radio, Canada	FC	10.0	RC Navy
	CW	DHS	Rügen Radio, GDR	FC	5.0	
12,703.0	CW	XFL	Mazatlan Radio, Mexico	FC	0.5	
	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	15.0	
12,703.6	CW	PKD	Surabaya Radio, Indonesia	FC	1.0	
	CW	PKM	Bitung Radio, Indonesia	FC	1.0	
12,704.5	CW	WLO	Mobile Radio, AL	FC	20.0	NOAA reports
wx broadcasts at 1300 & 2300						
12,706.0	CW	UQK	Riga-I Radio, Latvian SSR	FC	5.0	
12,709.0	CW	LSA5	Boca Radio, Argentina	FC	1.0	
	CW	AGM	Bahrain Radio, Bahrain	FC	2.0	
	CW	8PO	Barbados Radio, Barbados	FC	2.0	
	CW	GKR3	Wick Radio, England	FC	0.3	
	CW	8RB	Demerara Radio, Guyana	FC	1.0	
	CW	FJP23	Noumea Radio, New Caledonia	FC	1.0	
	CW	ZSC23	Cape Town Radio, RSA	FC	10.0	
12,709.2	CW	VRT	Hamilton Radio, Bermuda	FC	1.0	
	CW	9HD	Malta Radio, Malta	FC	1.0	
12,711.0	CW	HCG	Guayaquil Radio, Ecuador	FC	0.3	AMVER
	CW	UBN	Jdanov, Donetsk Radio, USSR	FC	15.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
12,712.0	CW	HLW3	Seoul Radio, S. Korea	FC	....	aka HLX
12,714.0	CW	CBV3	Valparaiso Radio, Chile	FC	1.0	
	CW	GKM5	Portishead Radio, England	FC	5.0	
	CW	OSN46	Oostende Naval Radio, Belgium	FC	....	Belgium Navy
12,715.0	CW	UJQ7	Kiev Radio, USSR	FC	15.0	
12,716.9	CW	ZLO5	Irirangi Naval Radio, New Zealand	FC	....	RNZ Navy
12,717.0	CW	EBA	Madrid Radionaval Radio, Spain	FC	....	Spanish Navy
12,718.5	CW	VWM	Madras Radio, India	FC	2.5	
	CW	NMN	Portsmouth CG Radio, VA	FC	10.0	USCG/AMVER
12,720.0	CW	SVG5	Athens Radio, Greece	FC	5.0	
12,721.0	CW	SPA6	Gdynia Radio, Poland	FC	10.0	
12,722.0	CW	FJY4	St. Paul Radio, New Amsterdam Is.	FC	0.3	
12,723.0	CW	RCV	Moscow Naval Radio, USSR	FC	....	Russian Navy
12,723.0	CW	UAH	Tallinn Radio, Estonian SSR	FC	5.0	
	CW	....	numerous, in Pacific area	FC	....	USN (Also RTTY)
12,724.0	CW	9VG57	Singapore Radio, Singapore	FC	3.0	
	CW	ZSC43	Cape Town Radio, RSA	FC	10.0	NOAA reports
						wx broadcasts at 0930 & 1730
12,725.0	CW	OSN	Oostende Naval Radio, Belgium	FC	1.0	Belgium Navy
12,726.0	CW	CFH	Maritime Command R., Halifax.	FC	10.0	NOAA reports
			Canada (Canadian Navy)			wx broadcasts at
			0100, 0700, 1300 & 1900--seasonal ice broadcasts at 0130 & 1330			
12,726.5	CW	HLJ	Seoul Radio, S. Korea	FC	....
	CW	HLP	Pusan Radio, S. Korea	FC	3.0	
12,727.5	CW	SVG5	Athens Radio, Greece	FC	5.0	
	CW	XSW	Kao-Hsiung Radio, Taiwan	FC	2.5	
12,727.6	CW	LGJ	Rogaland Radio, Norway	FC	5.0	AMVER
12,728.0	CW	J2A9	Djibouti Radio, Djibouti	FC	1.0	
12,730.0	CW	UMV	Murmansk Radio, USSR	FC	15.0	
	CW	NMC	San Francisco CG Radio, CA	FC	10.0	USCG NOAA re-
						ports wx broadcasts at 0030, 0630, 1900 & 2100
	FAX	NMC	San Francisco CG Radio, CA	FC	5.0	USCG/Meteo
12,732.0	CW	UBN	Jdanov, Donestskoi Radio, USSR	FC	15.0	
12,735.0	CW	URL	Sevastopol Radio, USSR	FC	5.0	
12,736.0	CW	TAH	Istanbul Radio, Turkey	FC	3.0	
12,736.5	CW	PWZ	Rio de Janeiro Radio, Brazil	FC	10.0	BN/USN
	CW	TCR	Tophane Kulesi Radio, Turkey	FC	0.2	
12,738.0	CW	PPR	Rio Radio, Brazil	FC	1.0	
	CW	UXN	Archangelsk Radio, USSR	FC	15.0	
12,739.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
12,740.0	CW	ZLB5	Awarua Radio, New Zealand	FC	5.0	AMVER
12,740.2	CW	GVA	Whitehall (London) Naval R., England	FC	10.0	British Navy
12,741.8	FAX	GZZ44	Whitehall (Northwood), England	FC	5.0	RN/Meteo
12,743.0	CW	NMC	San Francisco CG Radio, CA	FC	10.0	USCG/AMVER
12,745.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
	CW	VVC	Calcutta Radio, India	FC	2.5	TIME SIGNALS/
						Tfc NOAA reports wx broadcast at 0630
12,745.5	FAX/CW	JJC	Tokyo, Japan	FC	15.0	NTM
12,747.5	CW	CBV	Valparaiso Radio, Chile	FC	1.0	
	CW	CLQ	Havana (Cojimar), Cuba	FC	5.0	
	CW	CLA30	Havana (Cojimar), Cuba	FC	5.0	
12,748.0	CW	IRM8	C.I.R.M., Rome, Italy	FC	....	Medico
12,748.1	FAX	NIK	Boston CG Radio, MA	FC	5.0	USCG (Ice Brdcast)
12,748.5	CW	TBO	Izmir Naval Radio, Turkey	FC	....	Turkist Radio
12,750.0	CW	CWA	Cerrito Radio, Uruguay	FC	10.0	
12,750.0	CW	NIK	Boston CG Radio, MA	FC	5.0	USCG (Ice Brdcast)
12,753.5	CW	OXZ62	Lyngby Radio, Denmark	FC	5.0	
12,754.5	CW	PWZ	Rio de Janeiro Radio, Brazil	FC	10.0	BN/USB
	CW	UJO5	Izmail Radio, USSR	FC	5.0	
12,755.0	CW	ESF	Tallinn Radio, Estonian SSR	FC	5.0	
	CW	UTA	Leningrad Naval Radio, USSR	FC	....	Russian Navy
12,755.5	CW	SAB6	Göteborg Radio, Sweden	FC	5.0	AMVER
12,757.0	CW	YQI2	Constanta Radio, Rumania	FC	1.0	
12,760.0	CW	IDQ	Rome Naval Radio, Italy	FC	1.0	Italian Navy
			(Reportedly broadcasts nx in II at 0300, 1800 & 2230)			
	CW	IRM5/7	C.I.R.M., Rome, Italy	FC	....	Medico

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
12,763.5	CW	LPD76	Gen. Pacheco Radio, Argentina	FC	3.0	NOAA reports
				wx broadcasts at 0118 & 1600		
	CW	DAM	Norddeich Radio, GFR	FC	10.0	TIME SIGNALS
				(2355-0006 spring & summer months only)		
12,765.0	CW	9GC	Tema Radio, Ghana	FC	10.0	
12,768.0	CW	PCH50	Scheveningen Radio, Netherlands	FC	10.0	AMVER
12,772.5	CW	ZSC38	Cape Town Radio, RSA	FC	10.0	
12,775.0	CW	XFU	Veracruz Radio, Mexico	FC	0.5	
12,775.5	CW	SAB6	Göteborg Radio, Sweden	FC	5.0	
12,778.5	CW	XFL	Mazatlán Radio, Mexico	FC	1.0	
12,779.9	CW	HAR	Budapest Naval Radio, Hungary	FC	1.0	
12,780.5	CW	YUR5	Rijeka Radio, Yugoslavia	FC	6.0	
12,781.5	CW	OST5	Oostende Radio, Belgium	FC	30.0	
	CW	HKB	Barranquilla Radio, Colombia	FC	2.5	
12,783.0	CW	NMF	Boston CG Radio, MA	FC	10.0	USCG/AMVER
12,785.3	CW	UPW3	Liepaja Radio, Latvian SSR	FC	5.0	
12,788.0	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
12,788.5	CW	GKD5	Portishead Radio, England	FC	5.0	
12,789.9	CW	GKG5	Portishead Radio, England	FC	5.0	
12,790.0	CW	XKF2	La Paz Baja California Radio, Mexico	FC	1.0	
12,791.5	CW	GKH5	Portishead Radio, England	FC	5.0	
12,792.0	CW	CLA31	Havana (Cojimar) Radio, Cuba	FC	5.0	
12,795.0	CW	UXN	Arkhangelsk Radio, USSR	FC	15.0	
12,797.0	CW	UDK2	Murmansk Radio, USSR	FC	15.0	
12,799.5	CW	XSZ	Dairen Radio, PRC	FC	4.0	
	CW	PCH51	Scheveningen Radio, Netherlands	FC	10.0	
12,800.0	CW	HSA3	Bangkok Radio, Thailand	FC	10.0	
12,803.0	CW	UDK2	Murmansk Radio, USSR	FC	15.0	
12,807.7	CW	GLO20	Whitehall (London) Naval R., England	FC	10.0	British Navy
12,808.5	CW	KPH	San Francisco Radio, CA	FC	30.0	
12,809.0	CW	VTG7	Bombay Naval Radio, India	FC	1.5	Indian Navy
12,810.0	CW	UJE	Moscow Naval Radio, USSR	FC	...	Russian Navy
12,810.2	CW	HZY	Ra's Tannurah Radio, Saudi Arabia	FC	3.0	NOAA reports
				wx broadcast at 1630		
12,817.5	CW	YVG	La Guaira Radio, Venezuela	FC	0.3	
12,815.0	CW	UDO2	Klaipeda Radio, Lithuanian SSR	FC	15.0	aka URB2
12,821.1	CW	DZF	Manila (Bacoor) Radio, Philippines	FC	0.4	
12,822.0	CW	XSV	Tianjin Radio, PRC	FC	15.0	
	CW	GKA5	Portishead Radio, England	FC	5.0	NOAA reports
				wx broadcasts at 1130 & 2130		
12,823.5	CW	CTP	Oeiras Naval Radio, Portugal	FC	...	Port. Navy/NATO
12,824.2	CW	GYU	Gibraltar Naval Radio, Gibraltar	FC	5.0	British Navy
12,825.0	CW	UFH	Petropavlovsk Radio, USSR	FC	5.0	
12,826.5	CW	CBM	Magallanes Radio, Chile	FC	0.5	
	CW	JCS	Choshi Radio, Japan	FC	3.0	
	CW	SPH6	Gdynia Radio, Poland	FC	10.0	
	CW	WNU	Slidell Radio, LA	FC	3.0	NOAA reports
				wx broadcasts at 0430 & 1630		
12,829.5	CW	XFM	Manzanillo Radio, Mexico	FC	0.5	
12,830.0	CW	UDK2	Murmansk Radio, USSR	FC	15.0	
12,831.0	CW	VHP	Canberra Naval Radio, Australia	FC	5.0	RA Navy
	CW	3BA5	Mauritius (Bigara) Radio, Mauritius	FC	5.0	
	CW	FFP7	Fort de France Radio, Martinique	FC	1.0	NOAA reports
				wx broadcasts at 1145, 1500, 1730 & 2000		
	CW	CTP	Oeiras Naval Radio, Portugal	FC	...	Port. Navy/NATO
12,832.5	CW	DAF	Norddeich Radio, GFR	FC	10.0	
12,833.0	CW	SVF5	Athens Radio, Greece	FC	5.0	
12,834.5	CW	DZP	Manila (Novaliches) Radio, Philippines	FC	1.0	
12,835.5	CW	GKB5	Portishead Radio, England	FC	5.0	
12,839.3	CW	VTP7	Vishakhapatnam Naval Radio, India	FC	5.0	Indian Navy
12,839.0	CW	WPA	Port Arthur Radio, TX	FC	3.0	
12,840.0	CW	PPJ	Junçao Radio, Brazil	FC	1.0	
	CW	PPO	Olinda Radio, Brazil	FC	1.0	
	CW	LZW5	Varna Radio, Bulgaria	FC	5.0	
	CW	JMC5	Tokyo Radio, Japan	FC	4.0	NOAA reports
				wx broadcasts at 0318, 0918, 1518 & 2118		

Maritime Mobile (con.)

KHz	Mode	Call	Location	Service	kW	Remarks
12,840.5	CW	PBC3	Goeree Naval Radio, Netherlands	FC	10.0	Dutch Navy
12,843.0	CW	HLG	Seoul Radio, S. Korea	FC	....
	CW	XFP	Chetumal Radio, Mexico	FC	0.5	
12,844.5	FAX	GZZ	Whitehall (Northwood), England	FC	6.0	RN/Meteo
	CW	KFS	San Francisco Radio, CA	FC	30.0	
12,847.5	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
12,849.0	CW	GZ05	Hong Kong Naval Radio, Hong Kong	FC	5.0	British Navy
	CW	ZSJ5	Cape (Silvermine) Naval Radio, RSA	FC	5.0	RSA Navy
12,852.0	CW	DZR	Manila (Bulacan) Radio, Philippines	FC	5.0	NOAA reports
						wx broadcast at 0120
12,852.5	CW	HKC	Buenaventura Radio, Colombia	FC	0.5	
12,853.5	CW	PCH52	Scheveningen Radio, Netherlands	FC	3.0	AMVER
12,855.0	CW	UBF2	Leningrad Radio, USSR	FC	15.0	
12,855.7	CW	XSG7	Shanghai Radio, PRC	FC	4.0	
12,858.0	CW	JFS	Hachinohe Gyogyo Radio, Japan	FC	0.5	
	CW	JFW	Iwaki Gyogyo Radio, Japan	FC	0.5	
	CW	FUJ2	Noumea Naval Radio, New Caledonia	FC	20.0	French Navy
12,859.0	CW	SVF5	Athens Radio, Greece	FC	5.0	
12,860.0	CW	4X0	Haifa Radio, Israel	FC	2.5	
12,860.5	CW	DHS	Rügen Radio, GDR	FC	10.0	
12,864.7	CW	DZZ	Manila Radio, Philippines	FC	1.5	
12,865.0	CW	UQK	Riga Radio, Latvian SSR	FC	5.0	
12,867.0	CW	XVR8	Rangoon Radio, Burma	FC	1.0	
	CW	....	numerous, worldwide	FC	....	USN (Includes: AOK, Rota, Spain; NGR, Kato Soli, Greece; NPN, Barrigada, Guam; NWC, Northwest Cape, Australia, etc.)
12,870.0	CW	DZO	Manila (Bulacan) Radio, Philippines	FC	2.0	NOAA reports
						wx broadcasts at 1030 & 2330
12,871.5	CW	XSG	Shanghai Radio, PRC	FC	10.0	TIME SIGNALS/Tfc
						NOAA reports wx broadcasts at 0306 & 0906
	CW	KUQ	Pago Pago, American Samoa	FC	2.5	AMVER
12,872.0	CW	SPB6	Szczecin Radio, Poland	FC	10.0	
12,874.0	CW	VCS	Halifax CG Radio, Canada	FC	1.0	AMVER
12,875.0	CW	FUG	La Regine (Castelnaudary), France	FC	....	French Navy
	CW	FUO	Toulon Naval Radio, France	FC	2.0	French Navy
12,876.0	CW	VAI	Vancouver CG Radio, Canada	FC	5.0	AMVER NOAA re-
						ports wx broadcasts at 0130, 0530 & 1730
	CW	LFJ	Rogaland Radio, Norway	FC	5.0	AMVER
12,877.0	CW	XSG4	Guangzhou Radio, PRC	FC	2.0	
12,877.8	CW	JCU	Choshi Radio, Japan	FC	15.0	
12,878.0	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
12,880.5	CW	SAG6	Göteborg Radio, Sweden	FC	5.0	AMVER
12,882.0	CW	DZG	Manila (Las Piñas) Radio, Philippines	FC	5.0	AMVER NOAA re-
						ports wx broadcasts at 0320 & 1520
12,883.0	CW	NBA	Balboa Naval Radio, Canal Zone	FC	1.0	USN/AMVER
12,885.0	CW	9YL	North Post Radio, Trinidad	FC	1.0	NOAA reports
						wx broadcasts at 1200 & 1530
12,886.5	CW	WLO	Mobile Radio, AL	FC	20.0	
12,887.5	CW	EAD44	Aranjuez Radio, Spain	FC	3.5	
12,888.0	CW	DZK	Manila (Bulacan) Radio, Philippines	FC	2.5	
12,889.5	CW	....	numerous	FC	....	USCG Command
			Net Calling Frequency for all "Fixed" Stations (used by ships/aircraft and for RTTY)			
	CW	NMO	Honolulu CG Radio, HI	FC	6.0	USCG/AMVER
						NOAA reports wx broadcasts at 0700 & 2000
	CW	IDQ6	Rome Naval Radio, Italy	FC	10.0	Italian Navy
12,893.7	CW	DZO	Manila (Bulacan) Radio, Philippines	FC	2.0	
12,894.0	CW	FUF	Fort de France, Martinique	FC	....	French Navy
12,895.0	CW	9KK8	Kuwait Radio, Kuwait	FC	5.0	NOAA reports
						wx broadcasts at 0530 & 1730
	CW	UNM2	Klaipeda Radio, Lithuanian SSR	FC	15.0	
12,898.0	CW	XSG	Shanghai Radio, PRC	FC	2.0	
12,898.5	CW	DAN	Norddeich Radio, GFR	FC	5.0	
12,900.0	CW	PWZ	Rio de Janeiro Radio, Brazil	FC	10.0	BN/USN
12,901.0	CW	HLJ	Seoul Radio, S. Korea	FC	....
12,903.0	FAX	NGR	Nea Makri, Greece	FC	15.0	USN
	FAX	AOK	Rota (Moron AB), Spain	FC	....	USN

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
12,907.5	CW	VIX5	Master Station Canberra, Australia	FC	15.0	NOAA reports
			wx broadcasts at 0130, 0530, 0930, 1330 & 2130 (aka VHP5)			
	CW	KLB	Seattle Radio, WA	FC	3.5	
	CW	YUR6	Rijeka Radio, Yugoslavia	FC	6.0	
12,910.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
12,912.6	CW	FFL6	St. Lys Radio, France	FC	10.0	
12,916.5	CW	OXZ6	Lyngby Radio, Denmark	FC	10.0	
	CW	HLF	Seoul Radio, S. Korea	FC	....
	CW	HLP	Pusan Radio, S. Korea	FC	3.0	
12,921.0	CW	CKN	Vancouver Forces Radio, Canada	FC	10.0	RCN NOAA re-
			ports wx broadcasts at 0000, 0430 & 1330			
	CW	GYA	Whitehall (London) Naval R., England	FC	10.0	British Navy
12,923.0	CW	CTP	Oeiras Naval Radio, Portugal	FC	....	Port. Navy/NATO
12,925.5	CW	4PB	Colombo Radio, Sri Lanka	FC	1.0	
	CW	WCC	Chatham Radio, MA	FC	5.0	
12,928.0	CW	SPI6	Gdynia Radio, Poland	FC	10.0	
12,933.0	CW	KOK	Los Angeles Radio, CA	FC	15.0	NOAA reports
			wx broadcasts at 0450 & 1650			
12,934.5	CW	EDZ5	Aranjuez Radio, Spain	FC	3.5	
	CW	NMF	Boston CG Radio, MA	FC	3.0	USCG
	CW	NMN	Portsmouth CG Radio, VA	FC	10.0	USCG
12,934.8	CW	HLG	Seoul Radio, S. Korea	FC	....
12,936.0	CW	DZN	Manila (Navotas) Radio, Philippines	FC	3.0	NOAA reports
			wx broadcasts at 0200 & 1400			
12,939.0	CW	SPE6	Szczecin Radio, Poland	FC	10.0	
	CW	....	numerous, worldwide	FC	....	USN
12,940.0	CW	LZW5	Varna Radio, Bulgaria	FC	1.5	
12,942.0	CW	SVD5	Athens Radio, Greece	FC	5.0	
	CW	RKLM	Arkhangelsk Radio, USSR	FC	....	Navy (?)
12,943.5	CW	CUG27	Sao Miguel Radio, Azores	FC	1.0	
	CW	ZLP5	Irirangi Naval Radio, New Zealand	FC	10.0	RNZ Navy
	CW	CUL20	Lisbon Radio, Portugal	FC	5.0	
12,947.0	CW	UFB	Odessa Radio, USSR	FC	5.0	
12,947.5	CW	ZRH5	Cape (Fisantekraal) Naval R., RSA	FC	15.0	RSA Navy
12,952.5	CW	VIS5	Sydney Radio, Australia	FC	2.0	AMVER
12,952.9	CW	WMH	Baltimore Radio, MD	FC	0.8	NOAA reports
			wx broadcasts at 0130, 1330, 1600 & 1930			
12,955.0	CW	UFL	Vladivostok Radio, USSR	FC	15.0	
12,985.5	CW	PPO	Olinda Radio, Brazil	FC	1.0	
12,960.0	CW	CCV6	Valparaiso Naval Radio, Chile	FC	....	Chilean Navy
			NOAA reports wx broadcasts at 1430 & 2030			
	CW	FUF	Fort de France, Martinique	FC	....	French Navy
	CW	FUX	Le Port Radio, Reunion	FC	....	French Navy
12,961.5	CW	LFI	Rogaland Radio, Norway	FC	5.0	AMVER
12,963.0	CW	HAR	Budapest Naval Radio, Hungary	FC	1.0	
12,963.5	CW	ZHH	St. Helena Radio, St. Helena Is.	FC	1.0	
12,966.0	CW	PWZ	Rio de Janeiro Radio, Brazil	FC	10.0	BN/USN
	CW	VWB	Bombay Radio, India	FC	2.5	
	CW	PCH53	Scheveningen Radio, Netherlands	FC	10.0	
	CW	NPG	San Francisco Naval Radio, CA	FC	30.0	USN/TIME SIGNALS
12,969.0	CW	XSV	Tianjin Radio, PRC	FC	5.0	
12,970.0	CW	URL	Sevastopol Radio, USSR	FC	5.0	
12,970.5	CW	SUH4	Alexandria Radio, Egypt	FC	3.5	
	CW	PKB	Belawan Radio, Indonesia	FC	1.0	
	CW	PKI	Jakarta Radio, Indonesia	FC	1.0	
	CW	WOE	Lantana Radio, FL	FC	3.0	
12,972.0	CW	HAR	Budapest Naval Radio, Hungary	FC	1.0	
12,973.0	CW	UJY	Kaliningrad Radio, USSR	FC	15.0	
12,975.0	CW	IQX	Trieste P.T. Radio, Italy	FC	3.0	
12,978.0	CW	ICB	Genoa P.T. Radio, Italy	FC	5.0	
12,979.4	CW	PPL	Belém Radio, Brazil	FC	1.0	NOAA reports
			wx broadcasts at 0400 & 2020			
12,979.5	CW	VIS49	Sydney Radio, Australia	FC	2.0	AMVER
12,980.0	CW	PKB20	Lhok Seumawe Radio, Indonesia	FC	1.0	
	CW	PKI2	Jakarta Radio, Indonesia	FC	1.0	

Maritime Mobile (con.)

KHz	Mode	Call	Location	Service	kW	Remarks
12,980.0	CW	PKN7	Bontang Radio, Indonesia	FC	1.0	
	CW	PKR6	Cilacap Radio, Indonesia	FC	0.4	
12,981.0	CW	PPL	Belém Radio, Brazil	FC	1.0	
12,984.0	CW	DZM	Manila (Bulacan) Radio, Philippines	FC	10.0	
	CW	4XZ	Haifa Naval Radio, Israel	FC	2.0	Israel Navy
12,988.3	CW	DZJ	Manila (Bulacan) Radio, Philippines	FC	2.5	
12,988.4	CW	3BM4	Mauritius (Bigara) Radio, Mauritius	FC	4.0	NOAA reports wx broadcast at 0900
12,988.5	CW	LPD88	Gen. Pacheco Radio, Argentina	FC	15.0	AMVER
12,993.0	CW	KOK	Los Angeles Radio, CA	FC	10.0	
12,994.0	CW	VIP4	Perth Radio, Australia	FC	10.0	AMVER NOAA re- ports wx broadcasts at 0100 & 1200
12,995.8	CW	IAR33	Rome P.T. Radio, Italy	FC	7.0	
12,996.0	CW	PCH53	Scheveningen Radio, Netherlands	FC	10.0	AMVER
12,997.5	CW	WSL	Amagansett Radio, NY	FC	30.0	NOAA reports wx broadcasts at 0500, 1100, 1700 & 2300
13,000.0	CW	UBE2	Petropavlovsk Radio, USSR	FC	15.0	NOAA reports wx broadcast at 0500
13,000.5	CW	HLW	Seoul Radio, S. Korea	FC	....
13,002.0	CW	LPD32	Gen. Pacheco Radio, Argentina	FC	3.0	
	CW	KPH	San Francisco Radio, CA	FC	30.0	
	CW	CTU2	Monsanto Naval Radio, Portugal	FC	20.0	Port. Navy NOAA reports wx broadcasts at 0550, 0800, 1145, 1745, 2000 & 2345
	FAX	CTU2	Monsanto Naval Radio, Portugal	FC	15.0	Port. Navy/Meteo
13,005.3	CW	HLW	Seoul Radio, S. Korea	FC	....
13,006.5	CW	GKK5	Portishead Radio, England	FC	5.0	
13,007.0	CW	OMP	Prague Radio, Czechoslovakia	FC	1.0	
13,008.0	CW	JOR	Nagasaki Radio, Japan	FC	15.0	
13,010.1	CW	UDK2	Murmansk Radio, USSR	FC	15.0	aka UQAY
13,010.3	CW	AQP4	Karachi Naval Radio, Pakistan	FC	....	Pakistan Navy
13,011.0	CW	IAR23	Rome P.T. Radio, Italy	FC	7.0	NOAA reports wx broadcasts at 0700 & 1900
	CW	WNU	Slidell Radio, LA	FC	3.0	
13,015.0	CW	URD	Leningrad Radio, USSR	FC	15.0	
13,015.3	CW	IAR3	Rome P.T. Radio, Italy	FC	7.0	
13,019.8	CW	GKC5	Portishead Radio, England	FC	5.0	
13,020.0	CW	HWN	Paris, France	FC	....	French Navy
	CW	VPS60	Cape D'Aguilar Radio, Hong Kong	FC	3.0	TIME SIGNALS/ Tfc/NOAA reports wx broadcasts at 0118, 0430, 0818 & 1318
13,022.0	CW	SPL6	Szczecin Radio, Poland	FC	10.0	
13,023.0	CW	D3E	Luanda Radio, Angola	FC	1.0	
13,023.7	CW	HEB	Berne Radio, Switzerland	FC	10.0	(Also RTTY)
13,024.0	CW	S3E	Khulna Radio, Bangladesh	FC	7.5	
13,024.5	CW	ASK	Karachi Radio, Pakistan	FC	3.5	NOAA reports wx broadcast at 0830
13,024.9	CW	WSL	Amagansett Radio, NY	FC	30.0	NOAA reports wx broadcasts at 0500, 1100, 1700 & 2300
13,027.5	CW	DAL	Norddeich Radio, GFR	FC	10.0	
13,028.0	CW	HLX	Seoul Radio, S. Korea	FC	....
	CW	ZSD46	Durban Radio, RSA	FC	3.5	
13,029.0	CW	SVA5	Athens Radio, Greece	FC	7.0	
	CW	KHK	Honolulu (Kahuka) Radio, HI	FC	1.0	
13,030.0	CW	URD	Leningrad Radio, USSR	FC	15.0	
13,031.0	CW	VRN60	Cape D'Aguilar Radio, Hong Kong	FC	3.0	(Also RTTY)
13,032.0	CW	DUN	Manila Radio, Philippines	FC	0.5	
13,033.5	CW	WCC	Chatham Radio, MA	FC	10.0	Tfc/Nx
13,038.0	CW	OXZ61	Lyngby Radio, Denmark	FC	10.0	(Also RTTY)
	CW	KLC	Galveston Radio, TX	FC	5.0	NOAA reports wx broadcasts at 0530, 1130, 1730 & 2330
13,040.0	FAX	CCS	Santiago Naval Radio, Chile	FC	....	Chilean Navy/ Meteo
	CW	UFN	Novorossiisk Radio, USSR	FC	15.0	
13,042.0	CW	9LL	Freetown Radio, Sierra Leone	FC	1.5	
	CW	UAH	Tallinn Radio, Estonian SSR	FC	5.0	
13,042.5	CW	C5G	Banjul Radio, Gambia	FC	1.0	
	CW	C9C7	Maputo, Mozambique	FC	3.0	TIME SIGNALS/Tfc

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
13,042.5	CW	CTV3	Monsanto Naval Radio, Portugal	FC	2.0	Port. Navy
13,042.6	CW	FUV	Djibouti Naval Radio, Djibouti	FC	....	French Navy
13,042.8	CW	PJC	Curaçao Radio, Netherlands Antilles	FC	2.5	
13,044.0	CW	VPS61	Cape D'Aguilar Radio, Hong Kong	FC	1.0	
13,044.9	CW	PZN4	Paramaribo Radio, Surinam	FC	1.0	
13,046.9	CW	SVB5	Athens Radio, Greece	FC	5.0	
13,050.0	CW	UDK2	Murmansk Radio, USSR	FC	15.0	
13,051.5	CW	4XO	Haifa Radio, Israel	FC	2.5	
	CW	WPD	Tampa Radio, FL	FC	0.4	NOAA reports
wx broadcasts at 1420 & 2020						
13,054.0	CW	JDC7	Choshi Radio, Japan	FC	15.0	
13,055.0	CW	UJQ7	Kiev Radio, USSR	FC	5.0	
13,056.0	CW	LPA56	Rio Grande Radio, Argentina	FC	1.0	
	CW	S3D	Chittagong Radio, Bangladesh	FC	1.0	
	CW	EAC4	Cadiz (Tarifa) Radio, Spain	FC	3.5	AMVER
13,057.0	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
13,059.0	CW	EBA	Madrid Radionaval Radio, Spain	FC	20.0	Spanish Navy
13,060.5	CW	7OA	Aden Radio, Democratic Yemen	FC	2.0	
	CW	TUA5	Abidjan Radio, Ivory Coast	FC	4.0	
13,062.0	CW	CLA32	Havana (Cojimar) Radio, Cuba	FC	5.0	
13,062.5	CW	DHS	Rügen Radio, GDR	FC	15.0	
13,063.0	CW	JDB	Nagasaki Radio, Japan	FC	15.0	
13,065.0	CW	5ZF3	Mombasa Radio, Kenya	FC	1.5	
	CW	6YI	Kingston Radio, Jamaica	FC	1.0	
	CW	EAD4	Aranjuez Radio, Spain	FC	3.5	
13,065.5	CW	5OW13	Lagos Radio, Nigeria	FC	1.0	
13,067.0	CW	OST52	Oostende Radio, Belgium	FC	30.0	
13,069.1	CW	CTV73	Monsanto Naval Radio, Portugal	FC	....	Port. Navy
13,069.5	CW	TJC9	Douala Radio, Cameroon	FC	0.8	
	CW	EQI	Abbas Radio, Iran	FC	1.0	
	CW	EQZ	Abadan Radio, Iran	FC	0.5	
13,069.5	CW	TFA13	Reykjavik Radio, Iceland	FC	1.5	
	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
13,070.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
13,070.7	CW	CTV	Monsanto Naval Radio, Portugal	FC	....	Port. Navy
13,071.5	CW	9VG80	Singapore Radio, Singapore	FC	3.0	(Also RTTY)
13,072.0	CW	GKE5	Portishead Radio, England	FC	5.0	(Also RTTY)
13,074.0	CW	VIP34	Perth Radio, Australia	FC	1.0	(Also RTTY)
13,077.8	CW	VIS67	Sydney Radio, Australia	FC	5.0	(Also RTTY)
13,083.5	CW	FUF	Fort de France Radio, Martinique	FC	....	French Navy
	CW	HWN	Paris, France	FC	....	French Navy
13,084.0	CW	UHO	Arkhangelsk Radio, USSR	FC	15.0	
13,087.5	CW	HKB	Barranquilla Radio, Colombia	FC	2.5	
	CW	9GA	Takoradi Radio, Ghana	FC	10.0	
13,092.0	CW	EAF	Vigo Radio, Spain	FC	0.8	AMVER
	CW	EAT	Santa Cruz de Tenerife R., Canary Is.	FC	0.8	AMVER
13,096.5	CW	9MG3	Penang Radio, Malaysia	FC	1.0	
13,099.6	CW	TIM	Limón Radio, Costa Rica	FC	3.0	

Coast Stations USB Duplex

13,100.8	USB	GTK51	Portishead Radio, England	FC	10.0	CH#1201 (12,330.0)
	USB	....	Moscow Radio, USSR	FC	10.0	" "
	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
(NOAA reports wx broadcasts at 0000, 0600 & 1500)						
13,103.9	USB	GTK52	Portishead Radio, England	FC	10.0	CH#1202 (12,333.1)
	USB	HEB13	Berne Radio, Switzerland	FC	10.0	" "
	USB	WFN	Jeffersonville, IN	FC	0.8	Inland Waterway
	USB	WCK	St. Louis, MO	FC	0.8	Inland Waterway
(Temporary FCC Assignment)						
13,107.0	USB	VIS	Sydney Radio, Australia	FC	5.0	CH#1203 (12,336.2)
	USB	CUG	Horta (Ponta Delgada) Radio, Azores	FC	5.0	" "
	USB	....	Göteborg Radio, Sweden	FC	5.0	" "

Coast Stations USB Duplex

kHz	Mode	Call	Location	Service	kW	Remarks
13,107.0	USB	WLC	Rogers City, MI	FC	1.0	CH#1203 (12,366.2)
	USB	WOO	New York (Ocean Gate) Radio, NY	FC	10.0	" "
13,110.1	USB	LFL31	Rogaland Radio, Norway	FC	10.0	CH#1204 (12,339.3)
	USB	....	Leningrad Radio, USSR	FC	10.0	" "
	USB	....	numerous, worldwide	FC	....	USN
13,113.2	USB	NRV	Barrigada (Agana NAS) CG Radio, Guam	FC	10.0	USCG CH#1205 AMVER (12,342.4)
	USB	NMO	Coast Guard Radio Honolulu, HI	FC	10.0	USCG CH#1205 (NOAA reports wx broadcast at 1745) (12,342.4)
	USB	NMC	San Francisco CG Radio, CA	FC	10.0	USCG CH#1205 (NOAA reports wx broadcasts at 0430, 1030, 1230, 1730 & 2230) (12,342.4)
	USB	NMG	New Orleans CG Radio, LA	FC	10.0	USCG CH#1205 AMVER
	USB	NMN	Portsmouth Communication Station, VA	FC	10.0	USCG CH#1205 (NOAA reports wx broadcasts at 1130, 1600, 1730, 2200 & 2230) (12,342.4)
	USB		This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMF, Boston, MA; NMR, San Juan, PR and NOJ, Kodiak, AK			
13,116.3	USB	WOM	Miami Radio, FL	FC	10.0	CH#1206 (NOAA reports wx broadcast at 1230) (12,345.5)
13,119.4	USB	OSU51	Oostende Radio, Belgium	FC	10.0	CH#1207 (12,348.6)
	USB	4XO	Haifa Radio, Israel	FC	10.0	" "
	USB	JBO	Tokyo Radio, Japan	FC	2.5	" "
	USB	PCG52	Scheveningen Radio, Netherlands	FC	10.0	" "
	USB	....	Curaçao Radio, Netherlands Antilles	FC	1.0	" "
13,122.5	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	CH#1208 (12,351.7)
	USB	WOM	Miami Radio, FL	FC	10.0	" "
			(NOAA reports wx broadcast at 1330)			
13,125.6	USB	KWJ91	Anchorage Radio, AK	FC	1.0	NOAA CH#1209 (12,354.8)
	USB	....	Rome Radio 3, Italy	FC	7.0	CH#1209 (12,354.8)
	USB	XFU2	Veracruz Radio, Mexico	FC	1.0	" "
	USB	ZLW	Wellington Radio, New Zealand	FC	10.0	" "
	USB	WOM	Miami Radio, FL	FC	10.0	" "
			(NOAA reports wx broadcast at 2230)			
13,128.7	USB	....	Lyngby Radio, Denmark	FC	10.0	CH#1210 (12,357.9)
	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
13,131.8	USB	LFL34	Rogaland Radio, Norway	FC	10.0	CH#1211 (12,361.0)
	USB	....	Göteborg Radio, Sweden	FC	5.0	" "
	USB	WOO	New York (Ocean Gate) Radio, NY	FC	10.0	" "
			(NOAA reports wx broadcasts at 0200, 1400 & 2000)			
13,134.9	USB	KQM	Kahuku Radio, HI	FC	1.0	NOAA CH#1212 (12,364.1)
	USB	JBO	Tokyo Radio, Japan	FC	2.5	" "
	USB	KRV	San Juan Radio, PR	FC	1.0	NOAA CH#1212 (12,364.1)
	USB	WLO	Mobile Radio, AL	FC	10.0	CH#1212 (12,364.1)
13,138.0	USB	OSU53	Oostende Radio, Belgium	FC	10.0	CH#1213 (12,367.2)
	USB	VCS	Halifax CG Radio, Canada	FC	5.0	" "
			(NOAA reports wx broadcasts at 1625 & 2225)			
	USB	PCG51	Scheveningen Radio, Netherlands	FC	10.0	CH#1213 (12,367.2)
13,141.1	USB	....	several, in Alaska	FC	1.0	NOAA CH#1214 (12,370.3)
	USB	PPR	Rio Radio, Brazil	FC	1.0	CH#1214 (12,370.3)
	USB	....	Göteborg Radio, Sweden	FC	5.0	" "

Coast Stations USB Duplex

kHz	Mode	Call	Location	Service	kW	Remarks
13,141.1	USB	AAE310	New Orleans Radio, LA	FC	0.2	NOAA CH#1214
	USB	KAC	Woods Hole Radio, MA	FC	1.0	" "
	USB	KAF	Atlantic Highlands, NJ	FC	1.0	" "
	USB	KAI	Galveston Radio, TX	FC	1.0	" "
	USB	KBR	Beaufort Radio, NC	FC	0.2	" "
	USB	KHW	Pascagoula Radio, MS	FC	1.0	" "
	USB	KJS	Kings Point Radio, NY	FC	1.0	" "
	USB	KVD	Bay St. Louis, MS	FC	1.0	" "
	USB	KVH	Atlantic Marine Center, Norfolk, VA	FC	1.0	" "
	USB	KVJ	Seattle Radio, WA	FC	1.0	" "
	USB	KVK	Miami Radio, FL	FC	1.0	" "
	USB	KVR	Detroit Radio, MI	FC	1.0	" "
	USB	WWD	La Jolla (Scripps) Radio, CA	FC	10.0	" "
13,144.2	USB	4XO	Haifa Radio, Israel	FC	10.0	CH#1215
						(12,373.4)
	USB	....	Göteborg Radio, Sweden	FC	5.0	" "
	USB	WOM	Miami Radio, FL	FC	10.0	" "
						(NOAA reports wx broadcast at 2330)
13,147.3	USB	OHG2	Helsinki Radio, Finland	FC	10.0	CH#1216
						(12,376.5)
	USB	SPC6	Gdynia Radio, Poland	FC	10.0	" "
	USB	9VG66	Singapore Radio, Singapore	FC	4.0	" "
13,150.4	USB	LFL37	Rogaland Radio, Norway	FC	10.0	CH#1217
						(12,379.6)
	USB		This frequency also used by USCG Coast Stations: NMC, San Francisco, CA; NMF, Boston, MA; NMO, Honolulu, HI & NRV, Barrigada, Guam			
13,153.5	USB	....	Rome Radio 3, Italy	FC	7.0	CH#1218
						(12,382.7)
	USB	JBO	Tokyo Radio, Japan	FC	2.5	" "
13,156.6	USB	PCG53	Scheveningen Radio, Netherlands	FC	10.0	CH#1219
						(12,385.8)
	USB	....	Göteborg Radio, Sweden	FC	5.0	" "
	USB		This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMG, New Orleans, LA & NOJ, Kodiak, AK			
	USB		This frequency also used by NOAA stations listed on 13,141.1			
13,159.7	USB	LPL4	Gen. Pacheco Radio, Argentina	FC	3.0	CH#1220
						(12,388.9)
	USB	VRT	Bermuda Radio, Bermuda	FC	1.0	" "
	USB	SVN5	Athens Radio, Greece	FC	5.0	" "
13,162.8	AM/USB	....	INTERNATIONAL COAST STATION CALLING FREQUENCY			CH#1221
						(12,392.0)
13,165.9	USB	FFL64	St. Lys Radio, France	FC	10.0	CH#1222
						(12,395.1)
	USB	KQM	Kahuku (Honolulu) Radio, HI	FC	1.0	NOAA CH#1222
13,169.0	USB	....	Lyngby Radio, Denmark	FC	10.0	CH#1223
						(12,398.2)
	USB	KMV	Agana Radio, Guam	FC	1.0	NOAA CH#1223
13,172.1	USB	DAJ	Norddeich Radio, GFR	FC	10.0	CH#1224
						(12,401.3)
	USB	GKV54	Portishead Radio, England	FC	10.0	" "
	USB	ZSD39	Durban Radio, RSA	FC	10.0	" "
	USB	....	numerous, worldwide	FC	....	USN
13,175.2	USB	LFL42	Rogaland Radio, Norway	FC	10.0	CH#1225
						(12,404.4)
	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
	USB	WLO	Mobile Radio, AL	FC	10.0	" "
13,178.3	USB	....	Lyngby Radio, Denmark	FC	10.0	CH#1226
						(12,407.5)
	USB	FFL61	St. Lys Radio, France	FC	10.0	" "
	USB	WLO	Mobile Radio, AL	FC	10.0	" "
						(NOAA reports wx broadcasts at 1330, 1730 & 2330)
13,181.4	USB	OHG2	Helsinki Radio, Finland	FC	10.0	CH#1227
						(12,410.6)
	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "

Coast Stations USB Duplex

kHz	Mode	Call	Location	Service	kW	Remarks
13,181.4	USB	HEB23	Berne Radio, Switzerland	FC	10.0	CH#1227 (12,410.6)
13,184.5	USB	LFL44	Rogaland Radio, Norway	FC	10.0	CH#1228 (12,413.7)
	USB	WFN	Jeffersonville, IN	FC	0.8	Inland Waterway
13,187.6	USB	FFL62	St. Lys Radio, France	FC	10.0	CH#1229 (12,416.8)
	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
			(NOAA reports wx broadcasts at 0000, 0600 & 1500)			
13,190.7	USB	KQM	Kahuku (Honolulu) Radio, HI	FC	1.0	NOAA CH#1230
	USB	HEB33	Berne Radio, Switzerland	FC	10.0	CH#1230 (12,419.9)
13,193.8	USB	FFL63	St. Lys Radio, France	FC	10.0	CH#1231 (12,423.0)
	USB	....	Hong Kong (Cape D'Aguilar) Radio	FC	1.0	" "
	USB	LFL45	Rogaland Radio, Norway	FC	10.0	" "
13,196.9	USB	SVN5	Athens Radio, Greece	FC	5.0	CH#1232 (12,426.1)
	USB	KUQ	Pago Pago, American Samoa	FC	1.0	NOAA CH#1232
	USB		This frequency also used by USCG Coast Stations: NMC, San Francisco, CA; NMF, Boston, MA; NMN, Portsmouth, VA and NMO, Honolulu, HI			

13,200.0-13,360.0 kHz - Aeronautical Mobile (Worldwide)

13,201.0	USB	....	numerous, worldwide	FA/MA	....	USAF (Includes: AFE8, MacDill AFB, FL; AFI, McClellan AFB, CA; AFL, Loring AFB, ME; AGA, Hickam AFB, HI; AIC, Clark AB, Philippines; AIE, Andersen AFB, Guam; AIF, Yokota AB, Japan; AJE, Croughton, England; AKA, Elmendorf AFB, AK; XPT, Thule, Greenland and "Air Force 1 and 2")
13,204.0	USB	....	numerous, within the USA	FA/MA	....	USAF
13,205.0	USB	AXF	"Air Force Sydney", Australia	FA/MA	....	RAAF Tfc
	USB	AXH	"Air Force Townsville", Australia	FA/MA	....	" "
	USB	AXI	"Air Force Darwin", Australia	FA/MA	....	" "
	USB	AXJ	"Air Force Perth", Australia	FA/MA	....	" "
	USB	....	numerous, in-flight Moscow to Havana	FA/MA	....	Aeroflot
13,215.0	LSB/USB	....	numerous, worldwide	FA/MA	....	USAF (Includes: AFA, Andrews AFB, MD; AGA, Hickam AFB, HI; AIF, Yokota AB, Japan; AKA, Elmendorf AFB, AK, CUW, Lajes Airways, Azores and "Air Force 1 or 2")
13,221.0	USB	....	several, in Canada	FA/MA	0.4	RCAF (Includes: CHR, Trenton Military, Ont.; CJX, St. Johns Military, Nfld. and VXA, Edmonton Military, Alta.)
13,221.0	CW/USB	....	numerous, within Soviet Union	FA/MA	....	(Unconfirmed Reports)
13,228.5	USB	....	numerous, worldwide	FA/MA	....	RAF, RCAF, USAF & USN
13,231.0	USB	....	numerous, worldwide	FA/MA	....	USN
13,235.5	CW	HWN	Paris, France	FX	....	French Navy
13,241.0	USB	....	numerous	FA/MA	....	USAF (Used for "Sky King" broadcasts--many code names for Air Bases--sometimes called SAC "Sierra" frequency)
13,244.0	USB	....	numerous, worldwide	FA/MA	....	USAF (Used by AFE8, MacDill AFB, FL; AFL, Loring AFB, ME & CUW, Lajes, Azores)
13,247.0	USB	AFA3	Andrews AFB, MD	FA/MA	1.5	USAF
13,251.0	USB	....	numerous, in Pacific Ocean area	FA/MA	....	USN
13,254.0	USB	....	several, in Canada	FA/MA	4.0	RCAF (Includes: CHR, Trenton Military, Ont.; CJX, St. Johns Military, Nfld. and VXA, Edmonton Military, Alta.)
13,257.0	USB	DHM95	Lahr Military, GFR	FA/MA	....	RCAF/NATO
13,260.0	USB	KJY74	"Miami Monitor", FL	FA/MA	....	NOAA

The frequencies between 13,200.0 and 13,260.0 kHz are used by all Allied Air and Naval Forces in 1.0 kHz increments. There are hundreds of code names that are changed or rotated on a random basis to prevent positive identification.

Aeronautical Mobile Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
13,264.0	AM/A3H	....	numerous (ICAO NP-3 & NP-4)	FA/MA		Airports & in-flight covering North Pacific Ocean into the Arctic regions
	CW/AM	C7P	Ocean Station Vessel 50°N & 145°W	FA	....	(aka "PAPA")
	AM/A3H		International Air-to-Ground Frequency			
13,264.9	CW	BRS4	unknown, probably China	FX	....	QRA Mkr
13,272.0	A3H	VFG	Gander Aeradio, Nfld., Canada	FA	1.5	VOLMET
	A3H	WSY70	New York Aeradio, NY	FA	3.0	VOLMET
13,288.0	AM/A3H	....	numerous (ICAO SEA-1 & SEA-3, plus NAT-A/B/C/D)	FA/MA	....	Airports & in-flight covering from New Delhi southeast to Perth and Darwin, and east to Biak. Also all routes across the North Atlantic Ocean and into the Arctic
13,296.0	AM/A3H	....	numerous (ICAO CWP-1 & 2)	FA/MA	....	Airports & in-flight covering all of the western Pacific--Honolulu to Ulan Bator
13,304.0	AM/A3H	....	numerous (ICAO AFI-2 and AFI-4, plus SP-6 and SP-7)	FA/MA	....	Airports & in-flight covering from the Mediterranean Sea south to South Africa. Also all of the South Pacific Ocean from Honolulu to Sydney to Easter Island
13,312.0	AM/A3H	....	numerous (ICAO CEP-5 & SEA-2)	FA/MA	....	Airports & in-flight covering the San Francisco to Honolulu route, plus south China Sea between Hong Kong, Manila, Bangkok, Jakarta and Singapore
13,312.1	AM	EIP	Shannon Aeradio (Rineanna), Ireland	FA	2.0	VOLMET
13,315.0	CW	BRS4	unknown, probably in China	FX	....	QRA Mkr
13,320.0	AM	....	Auckland, New Zealand	FA	....	VOLMET
	AM/A3H	....	numerous (ICAO W-CAR, C-SAM, NE-SAM and SE-CAM)	FA/MA	....	Airports & in-flight covering western Caribbean and Central America, plus all of eastern South America
13,324.5	CW/AM	....	Ocean Station Vessels C7A, C7I & C7J	FA	....
13,326.0	CW	CAK	Santiago (Los Cerrillos), Chile	FA/MA	....	Chilean A.F.
13,328.0	AM/A3H	....	numerous (ICAO NAR-A & NAR-D)	FA/MA	....	Airports & in-flight covering North Atlantic Ocean into the Arctic and northern Canada--sometimes referred to as the "ALFA" frequency
13,336.0	AM/A3H	....	numerous (ICAO AFI-3 & AFI-5, CEP-5, MID-1 and MID-2)	FA/MA	....	Airports & in-flight covering all of eastern Africa, Arabian Sea to Bombay and northwest to Malta. All of the Middle East and east to Calcutta. Route between Honolulu and San Francisco
13,344.0	AM/A3H	....	numerous (ICAO AFI-1 and SAT)	FA/MA	....	Airports & in-flight from Portugal to west coast of Africa across the South Atlantic Ocean to Rio de Janeiro
	A3H	KIS70	Anchorage Aeradio, AK	FA	....	VOLMET
	AM/CW	....	Hong Kong (Kai Tak Aeradio)	FA	2.0	VOLMET/TIME SIGNALS
	A3H	KVM70	Honolulu (International) Aeradio, HI	FA	....	VOLMET
	A3H	JMA	Narita Aeradio, Japan	FA	3.0	"
	A3H	KSF70	Oakland Aeradio, CA	FA	....	"
13,356.0	USB	....	numerous, worldwide, operational	FA/MA	....	Airports & in-flight--particularly ARINC New York to Honolulu (phone patch available)

13,360.0-14,000.0 - Fixed Service (Worldwide)

13,365.0	USB	CSY45	Santa Maria Aeradio, Azores	AX	10.0	Tfc
	CW	GFT29	Bracknell, England	FX	2.5	Meteo Tfc
13,371.2	CW	CW04	Cerrito, Uruguay	FX	5.0	Tfc
13,372.0	ISB	IRK23	Rome (Torrenova), Italy	FX	30.0	Telcom
	CW	NGR	Nea Makri, Greece	FX	3.0	USN NOAA re-ports wx broadcasts at 0030, 0630 & 1230
	CW	NAM	Norfolk Naval Radio, VA	FX	....	USN Tfc
13,372.5	ISB	CPPB5	La Paz, Bolivia	FX	1.0	Telcom/Tfc
13,375.0	USB	DKW5	Berlin, GDR	FX	....	Telcom
13,380.0	CW	HGX21	Budapest, Hungary	FX	....	EMBASSY
	CW	HGX44	Baghdad, Iraq	FX	....	Hungarian EMBASSY
	CW	NPN	Barrigada (Agana NAS), Guam	FX	10.0	USN/TIME SIG-NALS NOAA wx broadcasts at 0400, 1300, 1700 & 2300
	LSB	....	Moscow, USSR	FX	....	R. Moscow Feeder

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
13,382.0	CW	MLU	Gibraltar, Gibraltar	FX	1.0	RAF Tfc
	CW	MPU	Luca, Malta	FX	1.0	RAF Tfc
13,383.0	CW	RULE	Vostok USSR Base, Antarctica	FX	....	Tfc
	CW	RUZU	Molodezhnaya USSR Base, Antarctica	FX	....	Tfc
	CW	UDY	Novolasarevskaya USSR Base, Antarctica	FX	...	Tfc
	CW	UFE	Mirnyy USSR Base, Antarctica	FX	....	Tfc
	CW	UGE2	Bellingshausen USSR Base, Antarctica	FX	....	Tfc
13,394.0	ISB	IRK43	Rome (Torrenova), Italy	FX	....	Telcom
13,397.0	USB	....	unknown (± 10 kHz)	FX	....	NUMBERS in KK
13,410.0	ISB	YIE35	Baghdad (Abu Ghuraib), Iraq	FX	....	Telcom
13,410.1	CW	6WW	Dakar Naval Radio, Senegal	FX	....	French Navy
13,415.0	USB	GCB33	London (Ongar), England	FX	30.0	Telcom
13,420.0	CW	CUA69	Lisbon (Alfragide), Portugal	FX	5.0	Tfc
13,423.0	USB	....	Norwegian Sea & North Atlantic Ocean	LORAN Net		USCG (Includes: DML, Sylt, GFR; JXL, Bø, Norway; JXP, Jan Mayen Is.; NMS, Shet- Land Is.; OUN, Ejde, Denmark; OVY, Angissoq, Greenland; TFR, Sandur, Iceland and TFR2, Reykjavik, Iceland
13,427.0	USB	TTZ34	N'Djamena, Chad	FX	2.0	Telcom
13,427.5	USB	WEK53	New York, NY	FX	20.0	Telcom
13,472.5	FAX	AFA	Washington, DC	FX	....	Meteo
13,474.0	A3H	CLN404	Havana (Bauta), Cuba	FX	30.0	Telcom
13,482.0	ISB	VPC	Port Stanley, Falkland Is.	FX	7.5	Telcom/Tfc
13,485.1	CW	KWL90	unknown, probably in Far East	FX	....	USA EMBASSY
13,487.5	CW	ISX35	Rome, Italy	FX	10.0	Tfc (Also RTTY)
13,490.0	USB	OZU25	Copenhagen, Denmark	FX	1.5	EMBASSY (Also used by OZU30, Cairo, Egypt; OZU33, Tel Aviv, Israel; OZU34, Jiddah, Saudi Arabia; OZU35, Beijing, PRC and OZU36, New Delhi, India
13,493.5	LSB	....	Greenville, NC	FX	40.0	VOA Feeder
13,498.0	CW	SON24	Warsaw, Poland	FX	10.0	Tfc/Nx
13,503.5	USB	ZFD62	Hamilton, Bermuda	FX	3.5	Telcom
13,510.0	CW/FAX	CFH	Maritime Command Radio, Halifax, Canada (Canadian Navy)	FX	10.0	Meteo/Ice
13,518.6	USB	EP5X	Tehran, Iran	FX	1.0	INTERPOL
13,520.0	CW	JPA61	Komaki, Japan	FX	10.0	INTERPOL
13,530.0	ISB	XDA358	Mexico City, DF, Mexico	FX	10.0	Telcom/Tfc
13,535.0	ISB	FTN53	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
	ISB	HLB28	Seoul, S. Korea	FX	30.0	Telcom/Tfc
13,560.0	CW	BMB	Taipei Naval Radio, Taiwan	FX/FC	....	Rep. China Navy
			NOAA reports wx broadcasts at 0400 & 1000			
13,576.0	USB	....	Enköping, Sweden	FA	7.0	
13,580.0	CW	HMS19	Pyongyang, North Korea	FX	....	Tfc/Nx
13,590.0	USB	RGD23	Moscow, USSR	FX	20.0	R. Moscow Feeder
13,593.0	ISB	HBE53	Berne, Switzerland	FX	40.0	Tfc
13,597.0	FAX	JMH4	Tokyo, Japan	FX	5.0	Meteo
13,600.0	CW	CAK	Santiago (Los Cerillos), Chile	FA/FX	0.4	Chilean A.F.
			NOAA wx broadcasts at 0130, 1330 & 2000			
	FAX	IMB56	Rome, Italy	AX	1.0	Italian A.F./ Meteo
	CW	....	In the USA this frequency assigned to radio wave welding			
13,603.0	ISB	FTN60	Paris (St. Assise), France	FX	8.0	Telcom
	ISB	6VK413	Dakar, Senegal	FX	6.0	Telcom/Tfc
13,605.0	AM	ZPG36	Asuncion, Paraguay	FX	0.5	Telcom (Has been used for relay of official programs)
13,608.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list of stations see 7836.6)
13,612.0	ISB	WEE73/WEL73	New York, NY	FX	20.0	Telcom
13,615.0	CW/ISB	CWK4	Montevideo (Cerrito), Uruguay	FX	5.0	Tfc
13,616.0	CW	SON36	Warsaw, Poland	FX	20.0	Nx (Also RTTY)
13,626.0	USB		Federal Aviation Backup Emergency Frequency			
13,627.1	FAX	DGN62	Quickborn, GFR	FX	....	Meteo
13,627.5	FAX	KVM70	Honolulu (International), HI	FX	10.0	Meteo
13,648.0	ISB	4QO63	Colombo (Kotugoda), Sri Lanka	FX	....	Telcom
13,655.0	CW	NMO	Honolulu CG Radio, HI	FX/FC	10.0	USCG/TIME SIG- NALS (NOAA reports wx broadcasts at 0100, 0400, 0700 & 2000)
13,657.0	CW	IDR	Rome Naval Radio, Italy	FX/FC	15.0	Italian Navy

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
13,667.5	FAX	6VU73	Dakar, Senegal	FX	5.0	Meteo
13,685.0	ISB	FZC36	Cayenne Guiana	FX	20.0	Telcom/Tfc
13,690.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
13,707.0	USB	....	North Atlantic LORAN Net	FX	....	USCG (Includes: OVY, Angissoq, Greenland; VDB, Cape Race, Nfld., Canada and VDB2, St. Anthony, Nfld., Canada)
	FAX	....	Tashkent, USSR	FX	....	Meteo
13,710.0	USB	RGD22	Moscow, USSR	FX	80.0	R. Moscow Feeder
13,715.0	ISB	FYN71	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
13,720.0	ISB	RIC77	Moscow, USSR	FX	....	Telcom
13,723.0	CW/USB	....	Pyongyang, North Korea	FX	....	Telcom/Tfc
13,747.0	CW	FSB73	Paris (St. Martin Abbat), France	FX	5.0	INTERPOL
13,750.0	ISB	NAW31	Guantanamo, Cuba	FX	....	Telcom
13,760.0	LSB	RZE	Moscow, USSR	FX	15.0	R. Moscow Feeder
13,765.2	USB	NAW36	Guantanamo, Cuba	FX	....	Telcom
13,773.0	FAX	ZRO3	Pretoria, RSA	FX	5.0	Meteo (Also RTTY)
13,775.0	USB	....	unknown (±10 kHz)	FX	....	NUMBERS in GG
13,780.0	CW	HME28	Pyongyang, North Korea	FX	....	Tfc/Nx
13,797.0	ISB	C5B64	Banjul, Gambia	FX	3.5	Telcom
13,799.0	ISB	ODL79	Beirut, Lebanon	FX	5.0	Telcom/Tfc
13,807.5	FAX	NPN	Barrigada (Agana NAS), Guam	FX/FC	15.0	USN/Meteo
	ISB	PCK93	Amsterdam (Kootwijk), Netherlands	FX	30.0	Telcom/Tfc
13,817.0	ISB	HBO73	Geneva, Switzerland	FX	30.0	Tfc
13,818.6	USB	EP5X	Tehran, Iran	FX	1.0	INTERPOL
13,820.0	USB	....	Moscow, USSR	FX	....	R. Moscow CC Feeder
13,825.0	ISB	....	numerous, worldwide	FX	....	MARS
13,829.5	ISB	MKG	London (Standbridge), England	FX	30.0	RAF Tfc
13,830.0	LSB	CQX40	Luanda, Angola	FX	10.0	Telcom
	CW/RTTY	....	Active FCC Communications Network	FX	....	(For list of stations see 10,902.1)
13,834.0	USB	FZF38	Fort de France, Martinique	FX	20.0	Telcom
13,849.0	A3H	....	R. Nacional de Colombia	FX	....	Has been used for relay of official programs
13,860.0	LSB	....	Dixon, CA	FX	....	VOA Feeder
13,862.5	FAX/CW	NPM	Pearl Harbor Naval Radio, HI	FX/FC	15.0	USN Meteo
	ISB	TUP38	Abidjan, Ivory Coast	FX	20.0	Telcom
13,866.0	CW	ZEN64	Cape D'Aguilar, Hong Kong	FX	3.0	Tfc
13,873.0	CW	FTN87	Paris (St. Assise), France	FX	20.0	TIME SIGNALS/ Tfc
13,882.5	CW	DDK6	Quickborn, GFR	FX	5.0	
13,890.0	USB	....	unknown (±10 kHz)	FX	....	NUMBERS in GG
13,916.5	ISB	....	Ho Chi Minh-Ville, Viet Nam	FX	....	Telcom/Tfc
13,920.0	FAX	AXM35	Canberra, Australia	FX	20.0	Meteo
13,927.0	USB	CUW20	Lajes Airways, Azores	FX	1.0	USAF
13,930.0	CW	ONY24	Rouveroy, Belgium	FX	....	Belgium Army
13,935.0	CW/ISB	ELA23	Monrovia, Liberia	FX	10.0	Telcom/Tfc
13,941.5	USB	ZEO66	Cape D'Aguilar, Hong Kong	FX	3.0	Telcom
13,945.0	CW	ELE13	Harbel, Liberia	FX	15.0	Tfc
	CW	WQB23	Akron, OH	FX	15.0	Tfc
13,950.0	CW	DBX6	Berlin, GDR	FX	....	MFA/ZID (Also RTTY)
13,953.6	CW	XBA	Mexico City, DF, Mexico	FX	0.5	TIME SIGNALS
13,959.8	LSB	ROW27	Moscow, USSR	FX	15.0	R. Moscow Feeder
13,965.0	ISB	CNR28	Rabat, Morocco	FX	20.0	Telcom/Tfc
13,977.0	USB	....	numerous, worldwide	FX	....	MARS (Frequently used in Antarctica by NØICE)
13,979.0	ISB	YAB6	Kabul, Afghanistan	FX	10.0	Telcom/Tfc
13,980.0	CW	LCO	Oslo (Jeloey), Norway	FX	20.0	Tfc/Nx
13,987.0	ISB	CNR42	Rabat, Morocco	FX	5.0	Telcom
13,993.0	USB	CUW20	Lajes Airways, Azores	FX	1.0	USAF
13,995.0	ISB	....	Monrovia (Careysburg), Liberia	FX	50.0	VOA Feeder
13,997.5	USB	....	numerous, worldwide	FX	....	MARS

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
13,998.5	CW/USB	HBC88	Geneva, Switzerland	FX	0.8	RED CROSS
<u>14,000.0-14,350.0 kHz Amateur Radio (Worldwide)</u>						
<u>14,350.0-14,990.0-kHz Fixed Service (Worldwide)</u>						
14,360.0	CW	KWS78	Nicosia, Cyprus	FX	....	USA EMBASSY
14,365.0	FAX	BAF8	Beijing, PRC	FX	....	Meteo
14,365.8	ISB	5TN29	Nouakchott, Mauritania	FX	20.0	Telcom/Tfc
14,370.0	USB	....	numerous, in Argentina	FX	....	Tfc Net
14,385.0	CW	....	numerous, in the USA	FX	....	USN (Reserves)
14,389.5	USB	....	numerous, in the USA	FX	....	MARS
14,405.0	ISB	ZEN68	Cape D'Aguilar, Hong Kong	FX	10.0	Telcom/Tfc
	CW	....	numerous, in the USA	FX	....	US Army Net
14,408.0	LSB	....	numerous, in the USA	FX	....	MARS
14,415.0	USB	VNM	Melbourne, Australia	FX	1.0	Telcom
	USB	VJM	Macquarie Island, Antarctica	FX	1.5	Telcom
	USB	VLV	Mawson Base, Antarctica	FX	5.0	Telcom
	USB	VLZ	Davis Base, Antarctica	FX	1.0	Telcom
	USB	VNJ	Casey Base, Antarctica	FX	10.0	Telcom
(Australian National Antarctic Research Expedition) (Also RTTY)						
14,423.0	ISB	FTO42	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
14,424.8	ISB	ASB2	Karachi, Pakistan	FX	5.0	Telcom/Tfc
14,424.9	ISB	9UB69	Bujumbura, Burundi	FX	5.0	Telcom/Tfc
14,432.0	ISB	FTO43	Paris (St. Assise), France	FX	30.0	Telcom/Tfc
14,436.0	FAX	GFE23	Bracknell, England	FX	7.0	Meteo/Ice
14,441.2	USB	....	numerous, in the USA	FX	....	MARS
14,445.0	CW	PPM9	Belém, Brazil	AX	....	Aero Tfc
14,444.9	CW/ISB	LHG	Oslo (Jeloey), Norway	FX	20.0	Tfc
14,450.0	USB	CUA71	Lisbon (Alfragide), Portugal	FX	10.0	Telcom
14,452.0	CW/RTTY	....	several, in Europe and Africa	FX	....	GDR EMBASSY
14,460.0	USB	6VA415	Dakar, Senegal	FX	1.0	Telcom
14,464.9	ISB	D4E25	Praia, Cape Verde Islands	FX	10.0	Telcom/Tfc
14,476.0	USB	5BC67	Nicosia, Cyprus	FX	3.0	Telcom
14,495.0	USB	FTO49	Paris (St. Assise), France	FX	20.0	Telcom
14,500.0	USB	PPR48	Rio de Janeiro (Sepetiba), Brazil	FX	3.0	Telcom
14,505.0	USB	A9M66	Bahrain, Bahrain	FX	8.0	Telco
	ISB	CML38	Havana (Bauta), Cuba	FX	30.0	Telcom/Tfc
14,519.7	CW	BCX24	Shanghai, PRC	FX	....	Tfc
14,530.0	LSB	....	R. Nacional de Chile, Santiago, Chile	FX	....	Feeder
	ISB	GIN34	London (Rugby), England	FX	30.0	Telcom/Tfc
14,535.0	LSB	VJP	Perth (Gnangara), WA, Australia	FX	10.0	Telcom
	ISB	HBO44	Geneva, Switzerland	FX	10.0	Tfc (Also RTTY)
14,549.8	CW/ISB	LCP	Oslo (Jeloey), Norway	FX	10.0	Tfc
14,555.0	CW/RTTY	....	several, worldwide	FX	....	Czech EMBASSY
14,557.0	CW	CEH7A	Santiago, Chile	FX	1.0	Tfc
14,562.0	CW/RTTY	....	several, in Europe, Africa and Mideast	FX	...	Italian EMBASSY
14,568.8	CW/RTTY	DBX7	Berlin, GDR	FX	....	MFA/ZID
14,575.0	ISB	CXL26	Montevideo, Uruguay	FX	2.5	Tfc
14,580.0	USB	ZPG45	Asuncion, Paraguay	FX	5.0	Telcom
14,582.5	FAX	GFA25	Bracknell, England	FX	2.5	Meteo
14,600.0	USB	WEK54	New York, NY	FX	80.0	Telcom
14,605.0	LSB	PPQ7	Rio de Janeiro (Sepetiba), Brazil	FX	2.5	Telcom
	CW	JMB3	Tokyo, Japan	FX	2.0	Meteo
	CW	ELE14	Harbel, Liberia	FX	3.0	Tfc
14,607.5	CW	JPA23	Tokyo, Japan	FX	5.0	INTERPOL
	CW	HMA22	Seoul, S. Korea	FX	1.0	INTERPOL
14,613.5	ISB	5VH346	Lomé, Togo	FX	20.0	Telcom/Tfc
14,620.0	USB	....	numerous, in Canada	FX	....	RCMP
14,623.0	ISB	A9M68	Bahrain, Bahrain	FX	3.5	Telcom
14,640.9	CW	EBA	Madrid Radionaval Radio, Spain	FX/FC	....	Spanish Navy
14,645.0	ISB	GIW34	London (Rugby), England	FX	10.0	Telcom
14,659.0	USB	9VF95	Singapore, Singapore	FX	3.0	Telcom
14,664.0	USB	....	several, worldwide	FX	....	MARS (USAF)
	USB	....	several, worldwide	FX	....	US Army

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
14,670.0	A3H	CHU	Ottawa, Canada	SS	3.0	TIME SIGNALS
	ISB	MKD	Akrotiri, Cyprus	FX	30.0	RAF Tfc
14,672.0	FAX	AFA	Washington, DC	FX	3.0	Meteo
14,690.0	CW	GYU	Gibraltar Naval Radio, Gibraltar	FX	0.5	British Navy
14,692.5	FAX	JMJ4	Tokyo, Japan	FX	5.0	Meteo
14,693.0	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY (Also reported to be using this frequency are OHU25, Beijing, PRC; OHU26, Belgrade, Yugoslavia; OHU32 Bucharest, Rumania and others)
14,710.0	CW	COY895	unknown, but in Cuba	FX	....	Russian Navy
14,712.5	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
14,718.0	USB	ORI44	Brussels (Ruisseled), Belgium	FX	20.0	Telcom
14,729.0	ISB	....	numerous, in the USA	FX	....	NOAA Net
14,730.0	USB	FT073	Paris (St. Assise), France	FX	20.0	Telcom
	USB	JBL54	Tokyo (Oyama), Japan	FX	30.0	Telcom
14,736.0	USB	IRL27	Rome (Torrenova), Italy	FX	10.0	Telcom
14,737.0	FAX	RHB/RHO	Khabarovsk, USSR	FX	....	Meteo
14,742.5	LSB	WNC44	San Francisco (Dixon), CA	FX	50.0	Telcom/Tfc
14,747.5	ISB	WMC64	San Francisco (Oakland), CA	FX	30.0	Telcom/Tfc
14,748.0	LSB	TTZ47	N'Djamena, Chad	FX	20.0	Telcom
14,750.0	LSB	5YR47	Tananarive, Madagascar	FX	10.0	Telcom
14,766.0	USB	NGD	McMurdo Sound, Antarctica	FX	1.0	USN/Telcom
14,777.0	ISB	5VH347	Lomé, Togo	FX	20.0	Telcom
14,782.0	CW	KWL90	unknown, probably in the Far East	FX	....	USA EMBASSY
14,792.0	CW	RCV/RIW	Moscow Naval Radio, USSR	FX	....	Russian Navy
14,792.5	USB	WMC94	San Francisco (Oakland), CA	FX	20.0	Telcom/Tfc
14,794.8	ISB	XY084	Rangoon, Burma	FX	4.0	Telcom/Tfc
14,800.0	CW	DMV24	Berlin, GDR	FX	1.2	Tfc/Nx
14,808.0	ISB	....	.....	FX	....	Feeder
14,817.5	CW	....	numerous, worldwide	FX	....	INTERPOL (For list of stations see 10,390.0--there will be minor call sign variations)
14,829.0	USB	OXR54	Copenhagen (Skamlebaek), Denmark	FX	15.0	Telcom/Tfc
14,830.0	CW/ISB	WER54	New York, NY	FX	40.0	Tfc/Nx
14,842.0	FAX	ATV65	New Delhi, India	FX	....	Meteo
14,850.0	ISB	ROW26	Moscow, USSR	FX	20.0	R. Moscow Feeder
	CW	ZLX37	Wellington (Himatangi), New Zealand	FX	5.0	NOAA reports
wx broadcasts at 0200, 0500, 0520, 0815, 0850, 0910, 1400, 1800, 2015, 2040 & 2110						
14,855.0	ISB	PSR	Rio de Janeiro (Sepetiba), Brazil	FX	2.5	Telcom
	USB	FT085	Paris (St. Assise), France	FX	15.0	Telcom
14,880.0	USB	FT088	Paris (St. Assise), France	FX	15.0	Telcom
14,894.0	USB	....	unknown, but in the USA	FX	....	USAF/NORAD
14,900.0	USB	OXI68	Godthaab, Greenland	FX	15.0	Telcom/Tfc
	USB	FT090	Paris (St. Assise), France	FX	15.0	Telcom
14,903.5	USB	....	National Emergency Backup Frequency	FX	....	CAP
14,921.0	ISB	XTA49	Ouagadougou, Upper Volta	FX	20.0	Telcom/Tfc
14,925.0	ISB	LHH	Oslo (Jeloey), Norway	FX	10.0	Telcom/Tfc
14,943.5	ISB	5TA19	Nouakchott, Mauritania	FX	....	Telcom/Tfc
14,945.0	USB	VNV71	Sydney (Doonside), Australia	FX	30.0	Telcom
	USB	....	unknown (±10 kHz)	FX	....	NUMBERS in EE
14,950.0	LSB	CPP4C	La Paz, Bolivia	FX	10.0	Telcom/Tfc
14,970.0	CW	"K"	unknown	RC	....	Beacon?
14,971.5	LSB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY (This is the principal channel for Swedish Embassies, including: SAM26, London, England; SAM35, Belgrade, Yugoslavia; SAM36, Budapest, Hungary; SAM37, Bucharest, Rumania; SAM39, Prague, Czechoslovakia; SAM45, Ankara, Turkey; SAM47, Beirut, Lebanon; SAM49, Jiddah, Saudi Arabia; SAM51, Tehran, Iran; SAM52, Tel Aviv, Israel; SAM55, Bangkok, Thailand; SAM57, Dacca, Bangladesh; SAM59, Hanoi, Viet Nam; SAM60, Islamabad, Pakistan; SAM62, Beijing, PRC; SAM71, Dar es Salaam, Tanzania; SAM72, Kinshasa, Zaire; SAM73, Lagos, Nigeria; SAM74, Monrovia, Liberia and SAM75, Nairobi, Kenya)
14,972.0	ISB	TTZ49	N'Djamena, Chad	FX	20.0	Telcom
14,975.0	CW	XVS	Ho Chi Minh-Ville, Viet Nam	FX/FC	....	NOAA reports
wx broadcasts at 0420, 1020, 1620 & 2320						
14,985.0	AM	EHY26	Madrid (Pozuelo del Rey), Spain	FX	10.0	Telcom
14,996.0	CW	RWM	Moscow, USSR	SS	8.0	TIME SIGNALS

Standard Frequency

kHz	Mode	Call	Location	Service	kW	Remarks
15,000.0	A2	LOL	Buenos Aires, Argentina	SS	2.0	TIME SIGNALS
	CW	BPV2	Shanghai, PRC	SS	....	" "
	AM	WWVH	Kauai, HI	SS	10.0	" "
	A2	ATA	New Delhi, India	SS	8.0	" "
	A2	JJY	Tokyo (Nazaki), Japan	SS	2.0	" "
	A2	BSF	Chung-li, Taiwan	SS	5.0	" "
	CW	RTA	Novosibirsk, USSR	SS	5.0	" "
	AM	WWV	Fort Collins, CO	SS	10.0	" "
15,004.0	CW	RID	Irkutsk, USSR	SS	1.0	TIME SIGNALS

15,010.0-15,100.0 kHz - Aeronautical Mobile (Worldwide)

15,015.0	USB	....	numerous, worldwide AFA, Andrews AFB, MD; AFL, Loring AFB, ME; AHF, Albrook AFS, Canal Zone, etc.)	FA/MA	....	USAF (Includes:
15,021.0	USB	....	Enköping, Sweden	FA	5.0	
15,024.0	CW	COL	Havana, Cuba	FA/MA	....	Aeroflot
	CW	RFNV	Moscow, USSR	FA/MA	....	Aeroflot
15,027.0	USB	....	numerous, worldwide	FA/MA	....	USN
15,031.0	USB	....	several, Canada and Europe	FA/MA	....	RCAF (Includes:
			CHR, Trenton Military, Ont.; CJX, St. Johns Military, Nfld.;			
			DHM95, Lahr Military, GFR and VXA, Edmonton Military, Alta.)			
15,038.0	USB	....	several, Canada and Europe	FA/MA	....	RCAF (Same as
			15,031.0, but with some weather broadcasts)			
15,041.0	USB	....	numerous	FA/MA	....	USAF (Used for
			"Sky King" broadcasts--many code names for Air Bases--sometimes called SAC "Mike" frequency)			
15,048.0	USB	....	numerous, mostly in the USA	FA/MA	....	USAF (Includes:
			AFA, Andrews AFB, MD; AFE8, MacDill AFB and "Air Force 1 or 2")			
15,055.0	AM	....	unknown (±10 kHz)	FX	....	NUMBERS in SS
15,081.0	USB	....	numerous, worldwide	FA/MA	....	USCG/USN
15,084.0	USB	....	numerous, mostly in the USA	FA/MA	....	USCG/USN (Part-
			cularly used by helicopters)			
15,087.0	USB	....	numerous, mostly in the USA	FA/MA	....	USN/USCG
15,095.0	USB	AHF	Albrook, AFS, Canal Zone	FA/MA	....	USAF

15,100.0-15,450.0 kHz - International Broadcasting (Worldwide)

15,450.0-16,460.0 kHz - Fixed Service (Worldwide)

15,473.6	USB	....	Pacific Area Domestic Emergency Net NMC, San Francisco, CA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NOJ, Kodiak, AK and NRV, Guam--all stations may also use CW & RTTY)	FC/FX	....	USCG (Includes:
15,474.0	USB	NAW	Guantanamo, Cuba	FX	....	Telcom
15,480.0	USB	ZLQ27	Scott Base, Antarctica	FX	....	Telcom
	ISB	....	Beijing, PRC	FX	....	R. Beijing Feeder
	CW	YML9	Ankara, Turkey	FX	1.0	EMBASSY (Also on this frequency are YML6, Brussels, Belgium; YML7, Moscow, USSR; YML8, Algiers, Algeria; YML12, Paris, France--note "YM" prefix)
15,490.0	ISB	RVC27	Moscow, USSR	FX	20.0	R. Moscow Feeder
15,492.5	CW	KKN50	Washington, DC	FX	10.0	EMBASSY
15,495.0	ISB	FTP49	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
15,500.0	ISB	....	Beijing, PRC	FX	....	R. Beijing Feeder
15,517.5	ISB	LJN26	Ny Alesund Naval Radio, Spitsbergen	FX	10.0	Norwegian Navy
15,535.0	CW	SNN99	Warsaw, Poland	FX	....	EMBASSY
15,540.0	CW	KKN50	Washington, DC	FX	10.0	EMBASSY
	USB	ROW23	Moscow, USSR	FX	15.0	R. Moscow Feeder
15,548.6	USB	....	Atlantic Area Domestic Emergency Net NMA, Miami, FL; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Ports- mouth, VA; NMR, San Juan, PR and NOZ, Elizabeth City, NC)	FC/FX	..	USCG (Includes:
15,556.0	CW/ISB	CLN483	Havana (Bauta), Cuba	FX	10.0	Tfc (Also RTTY)
15,564.0	CW	SOP55	Warsaw, Poland	FX	20.0	Nx (Also RTTY)

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
15,570.0	LSB	ZCQ73	Victoria, Seychelles	FX	7.5	Telcom
15,575.0	USB	WEL45	New York, NY	FX	80.0	Telcom/Tfc
	A3H	4MJ4	Caracas, Venezuela	FX	5.0	Telcom
15,578.0	ISB	3AD1	Monte Carlo, Monaco	FX	30.0	Telcom
15,582.1	ISB	9HC72	Malta, Malta	FX	10.0	Telcom/Tfc
15,589.0	ISB	....	Daventry, England	FX	....	BBC Feeder
15,600.0	LSB	RBM76	Moscow, USSR	FX	15.0	R. Moscow Feeder
15,605.0	ISB	FTP60	Paris (St. Assise), France	FX	15.0	Telcom/Tfc
15,610.0	USB	....	unknown (±10 kHz)	FX	....	NUMBERS in GG
15,615.0	FAX	AXI35	Darwin, Australia	FX	5.0	Meteo
15,620.5	FAX	KWAF	Washington, DC	FX	4.0	Meteo
15,623.5	USB	KUQ20C	Pago Pago, American Samoa	FX	2.0	Telcom/Tfc
15,656.8	CW	"U"	unknown	RC	....	Beacon?
15,665.0	ISB	CUA73	Lisbon (Alfragide), Portugal	FX	10.0	Telcom/Tfc
15,685.0	USB	....	Enköping, Sweden	FA	7.0	
15,700.0	CW	"W"	unknown	RC	....	Beacon?
15,704.0	CW	KNY21	Washington, DC	FX	1.0	Yugoslavian EMBASSY (Also RTTY)
	CW	KNY23	Washington, DC	FX	1.0	Czech EMBASSY (Also RTTY)
15,710.0	LSB	LQD24	Buenos Aires (Mt. Grande), Argentina	FX	20.0	Telcom/Tfc
	CW	....	several (ICAO AFI-3)	AX	....	Tfc net between airports from Libya to Bombay, India
15,715.0	ISB	MKG	London (Stanbridge), England	FX	10.0	RAF Tfc
15,720.0	ISB	9VF204	Singapore, Singapore	FX	....	Telcom/Tfc
15,724.0	FAX	ISX57	Rome (Santa Rosa), Italy	FX	3.0	ANSA Nx
15,726.0	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY
	USB	OHU25	Beijing, PRC	FX	1.0	Finnish EMBASSY
15,730.0	ISB	WFL25	New York, NY	FX	....	Telcom/Tfc (Has been used as an RFE feeder)
15,735.0	ISB	6VK815	Dakar, Senegal	FX	6.0	Telcom
15,738.0	CW	AYA26	Buenos Aires, Argentina	FX	1.0	INTERPOL (Dis- tribution point to law enforcement agencies in South America)
15,744.5	ISB	TNH58	Brazzaville, Congo	FX	10.0	Telcom/Tfc
15,747.0	ISB	FZB215	Bamako, Mali	FX	10.0	Telcom
15,752.0	USB	....	Greenville, NC	FX	40.0	VOA Feeder
15,755.0	ISB	MKE	Akrotiri, Cyprus	FX	30.0	RAF Tfc
15,770.5	FAX	VFE	Edmonton, Canada	FX	5.0	Meteo
15,776.4	USB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
15,779.8	USB	RWM71	Moscow, USSR	FX	20.0	R. Moscow Feeder
15,780.0	CW	ELE15	Harbel, Liberia	FX	15.0	Tfc
	CW	ZPG57	Asuncion, Paraguay	FX	1.0	Tfc
15,785.0	ISB	CXL27	Montevideo, Uruguay	FX	2.5	Telcom/Tfc
	FAX	WFM55	New York, NY	FX	50.0	Nx
15,804.0	CW	KNY20	Washington, DC	FX	1.0	Polish EMBASSY
	CW	KNY23	Washington, DC	FX	1.0	Czech EMBASSY (Both of the above also use RTTY)
15,805.0	LSB	FTP80	Paris (St. Assise), France	FX	20.0	Telcom
15,815.0	ISB	MKG	London (Stanbridge), England	FX	30.0	RAF Tfc
15,820.0	LSB	NAW38	Guantanamo, Cuba	FX	....	Telcom/Tfc
15,823.5	CW	WFL35	New York, NY	FX	60.0	Nx
15,830.0	FAX	RUZU	Molodezhnaya USSR Base, Antarctica	FX	....	Meteo
15,832.0	ISB	TJF58	Douala, Cameroon	FX	20.0	Telcom
15,835.5	ISB	JBL55	Tokyo, Japan	FX	20.0	Telcom/Tfc
15,839.9	ISB	3XF26	Conakry, Guinea	FX	6.0	Telcom/Tfc
15,845.0	USB	VLV	Mawson Base, Antarctica	FX	5.0	Telcom
	USB	VNJ	Casey Base, Antarctica	FX	10.0	Telcom
15,849.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
15,870.0	USB	....	Lyndhurst, Australia	FX	....	R. Australia Feeder
15,875.0	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list of stations see 7836.6)
15,883.5	LSB	KUQ20	Pago Pago, American Samoa	FX	2.0	Telcom
15,890.0	USB	9KT322	Huban, Kuwait	FX	10.0	Telcom

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
15,912.0	ISB	....	Daventry, England	FX	30.0	BBC Feeder
15,917.0	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY
15,920.0	CW	CFH	Maritime Command Radio, Halifax, Canada (Canadian Navy)	FX/FC	10.0	
	ISB	DFP92	Frankfurt, GFR	FX	20.0	Telcom (Has been used as a Deutsche Welle feeder)
15,922.0	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list of stations see 7836.6)
15,940.0	CW	ELE25	Harbel, Liberia	FX	15.0	Tfc
	ISB	BBI35	Shanghai, PRC	FX	....	Telcom/Tfc
15,941.5	FAX	CNL	Kenitra, Morocco	FX	15.0	USN Meteo
	FAX	AOK	Rota (Moron AB), Spain	FX	....	USN Meteo
15,945.0	LSB	MKG	London (Stanbridge), England	FX	....	RAF Tfc
15,945.2	FAX	JAM55	Tokyo, Japan	FX	5.0	
15,950.0	CW	JDJ2	Tokyo, Japan	FX	10.0	Tfc
	FAX	RBI77	Moscow, USSR	FX	15.0	Meteo
15,957.0	ISB	CUA77	Lisbon (Alfragide), Portugal	FX	10.0	Telcom/Tfc
15,962.0	USB	....	several, in the USA	FX	....	USAF/NORAD
16,020.0	ISB	5RY60	Tananarive, Madagascar	FX	20.0	Telcom
16,030.0	CW	PBC5	Goeree Naval Radio, Netherlands	FX/FC	5.0	Dutch Navy
	USB	RBI75	Moscow, USSR	FX	15.0	R. Moscow Feeder
16,040.0	CW	FXP98	Papeete, Tahiti	FX/AX	3.0	NOAA reports wx broadcast at 0400
16,044.5	USB	....	Mediterranean LORAN Net NCI, Simeri Crichi, Italy; NC111, Sardinia; AOB50, Estartit, Spain and AOB60, Estaca de Vares, Spain)	FX	....	USCG (Includes:
16,047.5	ISB	CXL28	Montevideo, Uruguay	FX	2.5	Telcom/Tfc
16,053.2	ISB	HBP26	Geneva, Switzerland	FX	20.0	Tfc
16,055.0	ISB	A9M75	Bahrain, Bahrain	FX	10.0	Telcom
	ISB	5UR60	Niamey, Niger	FX	20.0	Telcom
16,065.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
	CW	KNY25	Washington, DC	FX	1.0	Rumanian EMBASSY
16,105.0	ISB	TAE7	Ankara, Turkey	FX	....	Telcom
16,117.0	USB	6VA317	Dakar, Senegal	FX	6.0	Telcom
16,125.0	ISB	XTA61	Ouagadougou, Upper Volta	FX	6.0	Telcom
16,127.5	CW	SNN46	Warsaw, Poland	FX	....	EMBASSY
16,129.5	USB	XTA62	Ouagadougou, Upper Volta	FX	6.0	Telcom
16,140.0	LSB	RGW28	Moscow, USSR	FX	15.0	R. Moscow Feeder
16,159.0	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY
16,170.0	ISB	CQX45	Luanda, Angola	FX	10.0	Telcom
16,175.0	ISB	CML49	Havana (Bauta), Cuba	FX	30.0	Telcom/Tfc
16,180.0	CW	NAM	Norfolk Naval Radio, VA	FX/FC	10.0	USN NOAA re- ports wx broadcasts at 0030, 0630, 1230 & 1900--seasonal ice at 0500 & 1700
16,185.0	USB	5YF75	Nairobi, Kenya	FX	10.0	Telcom
16,190.0	LSB	RIF35	Moscow, USSR	FX	20.0	R. Moscow Feeder
16,200.0	CW	8BB	Jakarta, Indonesia	FX/FC	3.0	NOAA reports wx broadcast at 0830
	ISB	SOR22	Warsaw, Poland	FX	20.0	Telcom
16,207.0	ISB	NAW39	Guantanamo, Cuba	FX	....	Telcom/Tfc
16,215.0	ISB	RCF47	Moscow, USSR	FX	80.0	R. Moscow Feeder
16,218.5	CW	NDT6	Totsuka, Japan	FC	5.0	USN Tfc
16,222.0	ISB	....	Bethany, OH	FX	40.0	VOA Feeder
16,228.5	CW/FAX	JBQ36	Tokyo, Japan	FX	30.0	Tfc
16,234.0	ISB	CSY46	Santa Maria, Azores	AX	10.0	Aero Tfc
16,240.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
16,245.0	CW	..	numerous (ICAO AFI-3 & MID-1) in Middle East and northeastern Africa)	AX	....	Aero Tfc (Net R. Moscow Feeder
16,250.0	USB	....	Moscow, USSR	FX	....	R. Moscow Feeder
16,265.0	CW	DHJ59	Sengwarden, GFR	FX/FC	....	GFR Navy/NATO
	CW	NAM	Norfolk Naval Radio, VA	FX/FC	1.0	USN/NUKO

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
16,274.5	ISB	ZEN77	Cape D'Aguilar, Hong Kong	FX	10.0	Telcom/Tfc
16,276.0	ISB	D4E29	Praia, Cape Verde Islands	FX	3.0	Telcom/Tfc
16,280.0	ISB	MKD	Akrotiri, Cyprus	FX	10.0	Telcom/Tfc
	USB		Federal Aviation Administration Backup Network			
16,293.9	USB	5LF16	Monrovia, Liberia	FX	6.0	Telcom
16,298.5	USB	....	numerous, within the USA	FX/FC	....	USN
16,315.0	USB	5YE	Nairobi, Kenya	AX/FX	30.0	Meteo
16,330.0	USB	RKA75	Moscow, USSR	FX	20.0	R. Moscow
						Feeder
16,330.5	LSB	EHY24	Madrid (Pozuelo del Rey), Spain	FX	4.0	Telcom
16,334.7	ISB	LDJ	Longyearbyen, Spitsbergen	FX	10.0	Telcom/Tfc
16,351.0	USB/RTTY	....	several, in Europe and Asia	FX	....	Pakistan
						EMBASSY
16,354.0	CW	....	several, in Africa, Asia & Europe	FX	....	GDR EMBASSY
16,358.0	CW/RTTY	....	several, in Europe & Middle East	FX	....	Polish EMBASSY
16,365.0	USB	FTQ36	Paris (St. Assise), France	FX	20.0	Telcom
16,372.0	CW/RTTY	....	several, in Europe & Middle East	FX	....	India EMBASSY
16,380.0	ISB	CLN531	Havana (Bauta), Cuba	FX	10.0	Telcom/Tfc
16,384.0	USB	FZP64	Papeete (Papenoo), Tahiti	FX	20.0	Telcom
16,386.0	ISB	TLZ63	Bangui, Central African Empire	FX	20.0	Telcom/Tfc
	ISB	XTA63	Ouagadougou, Upper Volta	FX	6.0	Telcom
16,387.5	ISB	CUA80	Lisbon (Alfragide), Portugal	FX	10.0	Telcom/Tfc
16,395.0	ISB	IRO33	Rome (Torrenova), Italy	FX	10.0	Telcom/Tfc
16,397.0	USB	YKW107	Damascus, Syria	FX	5.0	Telcom
16,400.0	FAX	NPM	Pearl Harbor Naval Radio, HI	FX/FC	15.0	USN/Meteo
16,410.0	FAX	NAM	Norfolk Naval Radio, VA	FX/FC	2.5	USN/Meteo
16,411.0	USB	TTZ64	N'Djamena, Chad	FX	20.0	Telcom
16,415.0	USB	FTQ41	Paris (St. Assise), France	FX	20.0	Telcom
16,425.0	USB	TZB216	Bamako, Mali	FX	20.0	Telcom
16,431.0	USB		USA Defense Civil Preparedness Working Frequency			
16,439.6	CW/ISB	ODO44	Beirut, Lebanon	FX	....	Tfc
16,455.0	CW	NDT	Totsuka, Japan	FX/FC	15.0	USN NOAA re-
			ports wx broadcasts at 0400, 1300, 1700 & 2300			
16,452.5	USB	8RB78	Georgetown, Guyana	FX	3.5	Telcom
16,455.0	CW	....	several, in Europe & Middle East	FX	....	Turkist
			EMBASSY (Signs with call prefix "YMN")			
16,457.0	CW/RTTY	....	several, in Africa & Middle East	FX	....	Hungarian
			EMBASSY (Signs with call prefix "HGX")			
16,457.5	CW	KRH50	London, England	FX	....	USA EMBASSY
	CW	NMO	Honolulu CG Radio, HI	FX/FC	10.0	USCG TIME SIG-
			NALS NOAA reports wx broadcasts at 0100, 0400, 0700 & 2000			
<u>16,460.0-17,360.0 kHz - Maritime Mobile (Worldwide)</u>						
16,518.9	USB	WCM	Pittsburgh, PA	FC	0.8	Inland Waterway
	USB	WJG	Memphis, TN	FC	0.8	Inland Waterway
						(Temporary FCC Order)
16,523.1	CW	7CB2	Belawan Radio, Indonesia	FC	....
16,523.4	AM/USB	....	INTERNATIONAL SHIP CALLING FREQUENCY			
16,560.0	CW	NGO	Apra Harbor, Guam	FC	....	USN
16,587.1	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	USCG (Includes
			similar stations as detailed at 6221.6 and 8291.1 kHz)			
	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Includes KEC,
			New Orleans, LA; KHT, Cedar Rapids, IA; KHU, San Diego, CA, etc.			
16,590.2	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	(as above)
16,593.3	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	(as above)
16,861.7	CW	PKB	Belawan Radio, Indonesia	FC	1.0	
	CW	PKD	Surabaya Radio, Indonesia	FC	1.0	
	CW	PKI	Jakarta Radio, Indonesia	FC	1.0	
16,861.8	CW	5OW16	Lagos Radio, Nigeria	FC	1.0	
16,862.5	CW	XSV	Tianjin Radio, PRC	FC	5.0	
16,863.3	CW	HEB	Berne Radio, Switzerland	FC	15.0	
16,865.0	CW	CWA	Cerrito Radio, Uruguay	FC	....
16,867.5	CW	UXN	Arkhangelsk Radio, USSR	FC	15.0	
16,868.0	CW	A4M	Muscat Radio, Oman	FC	1.0	
16,868.5	CW	9VG53	Singapore Radio, Singapore	FC	5.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
16,871.3	CW	KLC	Galveston Radio, TX	FC	3.8	NOAA reports wx broadcasts at 1130 & 1730
16,874.5	CW	ZLO6	Irirangi Naval Radio, New Zealand	FC	....	RNZ Navy
16,874.8	CW	DZJ	Manila (Bulacan) Radio, Philippines	FC	1.5	
16,876.1	CW	FUG	La Regine (Castelnaudary), France	FC	....	French Navy
	CW	6WW	Dakar Naval Radio, Senegal	FC	10.0	French Navy
16,877.5	CW	JDB	Nagasaki Radio, Japan	FC	15.0	
16,879.0	CW	ICB	Genoa P.T. Radio, Italy	FC	5.0	
16,880.0	CW	YIR	Basrah Control, Iraq	FC	1.0	
16,880.9	CW	NMC	San Francisco CG Radio, CA	FC	10.0	USCG/AMVER
16,881.0	CW	ICB	Genoa P.T. Radio, Italy	FC	5.0	
16,882.5	CW	GKS6	Portishead Radio, England	FC	30.0	
16,884.2	CW	XSQ7	Guangzhou Radio, PRC	FC	15.0	
16,885.7	CW	UJY	Kaliningrad Radio, USSR	FC	....
16,890.5	CW	UFN	Novorossiisk Radio, USSR	FC	15.0	
16,890.8	CW	ZSC39	Cape Town Radio, RSA	FC	10.0	
16,892.9	CW	DHS	Rügen Radio, GDR	FC	5.0	
16,895.5	CW	IAR7	Rome P.T. Radio, Italy	FC	15.0	
16,896.5	CW	XFU	Veracruz Radio, Mexico	FC	0.5	
16,897.4	CW	OXZ82	Lyngby Radio, Denmark	FC	10.0	
16,897.5	CW	OMP	Prague Radio, Czechoslovakia	FC	1.0	
16,900.3	CW	PCH60	Scheveningen Radio, Netherlands	FC	10.0	AMVER
16,903.0	CW	SVM6	Athens Radio, Greece	FC	5.0	
16,904.0	CW	CWM	Montevideo Armada Radio, Uruguay	FC	0.5	Uruguayan Navy
16,905.0	CW	FUV	Djibouti Radio, Djibouti	FC	....	French Navy
16,906.0	CW	YIR	Basrah Control, Iraq	FC	1.0	
16,907.3	CW	DHS	Rügen Radio, GDR	FC	5.0	
16,909.7	CW	TFA	Reykjavik Radio, Iceland	FC	1.5	
	CW	NMO	Honolulu CG Radio, HI	FC	10.0	USCG/AMVER
			NOAA reports wx broadcasts at 0100, 0400, 0700 & 2000			
	CW	....	numerous	FC/MS	....	USCG Command
			Net Calling Frequency for all "Fixed" Stations (used by ships/aircraft & RTTY)			
16,910.0	CW	HLJ	Seoul Radio, S. Korea	FC	....
16,916.5	CW	XSG8	Shanghai Radio, PRC	FC	5.0	
16,917.0	CW	OMC	Bratislava Radio, Czechoslovakia	FC	1.0	
16,918.0	CW	PPJ	Junaçao Radio, Brazil	FC	1.0	
16,918.3	CW	LZW6	Varna Radio, Bulgaria	FC	5.0	
16,918.8	CW	VIX6	Master Station Canberra, Australia	FC	10.0	NOAA reports wx broadcasts at 0130, 0530, 0930, 1330 & 2130
	CW	GKJ6	Portishead Radio, England	FC	10.0	
	CW	WPA	Port Arthur Radio, TX	FC	3.0	
16,920.0	CW	OXZ81	Lyngby Radio, Denmark	FC	10.0	
	CW	9GX	Tema Radio, Ghana	FC	10.0	
16,921.0	CW	CLS	Havana (La Fe Prairie) Radio, Cuba	FC	5.0	
16,922.0	CW	UDK2	Murmansk Radio, USSR	FC	15.0	
16,923.6	CW	OFJ5	Helsinki Radio, Finland	FC	10.0	
16,925.0	CW	URL	Sevastopol Radio, USSR	FC	....
16,926.5	CW	CFH	Maritime Command Radio, Halifax, Canada (Canadian Navy)	FC	10.0	NOAA reports wx broadcasts at 0100, 0430, 1300, 1630, 1900--seasonal ice at 0130 & 1330 (Also RTTY)
16,927.0	CW	UJY	Kaliningrad Radio, USSR	FC	....
16,928.4	CW	LFX	Rogaland Radio, Norway	FC	5.0	
16,932.2	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
16,933.2	CW	WCC	Chatham Radio, MA	FC	30.0	
16,935.0	CW	D4A8	Sao Vicente Radio, Cape Verde Is.	FC	0.5	
	CW	VWB	Bombay Radio, India	FC	2.5	
16,937.2	CW	GYA	Whitehall (London) Naval R. England	FC	5.0	British Navy
16,938.0	FAX	GZZ	London (Northwood), England	FC	5.0	British Navy/ Meteo
	CW	VTG8	Bombay Naval Radio, India	FC	20.0	Indian Navy
16,942.0	CW	UXN	Arkhangelsk Radio, USSR	FC	15.0	
16,942.5	CW	YUR7	Rijeka Radio, Yugoslavia	FC	6.0	
16,942.8	CW	EAT	Santa Cruz de Tenerife R., Canary Is.	FC	0.8	AMVER
16,947.6	CW	VIP5	Perth Radio, Australia	FC	10.0	AMVER
	CW	8PO	Barbados Radio, Barbados	FC	1.0	
	CW	VRT	Bermuda Radio, Bermuda	FC	1.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
16,947.6	CW	FFT8	St. Lys Radio, France	FC	10.0	
	CW	8RB	Demerara Radio, Guyana	FC	1.0	
	CW	6VA7	Dakar Radio, Senegal	FC	4.0	
16,947.8	CW	TUA9	Abidjan Radio, Ivory Coast	FC	4.0	
16,948.0	CW	HCG	Guayaquil Radio, Ecuador	FC	0.3	AMVER
16,948.5	CW	VCS	Halifax CG Radio, Canada	FC	1.0	AMVER
16,949.0	CW	UPW2	Liepaia Radio, Latvian SSR	FC	5.0	
16,949.7	CW	XSQ4	Guangzhou Radio, PRC	FC	10.0	
16,952.4	CW	LFT	Rogaland Radio, Norway	FC	5.0	AMVER
16,952.8	CW	FUF	Fort de France, Martinique	FC	10.0	French Navy
	CW	FUG	La Regine (Castelnaudary), France	FC	10.0	" "
	CW	FUX	Le Port Radio, Reunion	FC	10.0	" "
	CW	6WW	Dakar Naval Radio, Senegal	FC	5.0	" "
16,956.0	CW	GKC6	Portishead Radio, England	FC	10.0	
	CW	PNZ26	Paramaribo Radio, Surinam	FC	1.0	
16,959.2	CW	FUJ	Noumea Radio, New Caledonia	FC	10.0	French Navy
	CW	CUG	Sao Miguel Radio, Azores	FC	5.0	
	CW	JOU	Nagasaki Radio, Japan	FC	15.0	
	CW	CUL22	Lisbon Radio, Portugal	FC	15.0	
16,960.0	CW	CKN	Vancouver Forces Radio, Canada	FC	15.0	Canadian Navy
	CW	HZY	Ra's Tannurah Radio, Saudi Arabia	FC	1.0	NOAA reports
			wx broadcasts on request			
	CW	UMV	Murmansk Radio, USSR	FC	15.0	
16,961.5	CW	FUF	Fort de France, Martinique	FC	10.0	French Navy
16,963.0	CW	5AL	Tobruk Radio, Libya	FC	0.5	
	CW	UJY	Kaliningrad Radio, USSR	FC	....
16,964.2	CW	ZRQ6	Cape (Simonstown) Naval Radio, RSA	FC	15.0	RSA Navy
16,965.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
16,966.0	CW	SVD6	Athens Radio, Greece	FC	5.0	
16,966.5	CW	9VG58	Singapore Radio, Singapore	FC	5.0	
16,968.0	CW	YIR	Basrah Control, Iraq	FC	1.0	
16,968.5	CW	WLO	Mobile Radio, AL	FC	20.0	
16,968.8	CW	9H4	Malta Radio, Malta	FC	5.0	
16,970.0	CW	URD	Leningrad Radio, USSR	FC	15.0	
16,971.0	FAX	JJC	Tokyo Radio, Japan	FC	5.0	Nx
16,972.0	CW	WCC	Chatham Radio, MA	FC	15.0	
16,974.1	CW	SPE8	Szczecin Radio, Poland	FC	10.0	
16,974.6	CW	GKD6	Portishead Radio, England	FC	10.0	
16,976.0	CW	NMN	Portsmouth CG Radio, VA	FC	10.0	USCG/AMVER
16,976.4	CW	JFH	Hamajima Gyogyo Radio, Japan	FC	1.0	
16,977.0	CW	OMP	Prague Radio, Czechoslovakia	FC	1.0	
16,978.4	CW	3BM6	Mauritius (Bigara) Radio, Mauritius	FC	8.0	NOAA reports
			wx broadcast at 0900			
16,980.4	CW	DAM	Norddeich Radio, GFR	FC	10.0	TIME SIGNALS/ Tfc
16,981.5	CW	SVG6	Athens Radio, Greece	FC	5.0	
16,983.5	CW	EQZ	Abadan Radio, Iran	FC	0.5	
16,983.2	CW	URD	Leningrad Radio, USSR	FC	15.0	
16,984.0	CW	PPR	Rio Radio, Brazil	FC	1.0	
	CW	UFB	Odessa Radio, USSR	FC	15.0	
16,986.0	CW	CTP97	Oeiras Naval Radio, Portugal	FC	5.0	Portuguese Navy/ NATO
16,987.2	CW	GYU	Gibraltar Naval Radio, Gibraltar	FC	10.0	British Navy
16,990.0	CW	HLO	Seoul Radio, S. Korea	FC	....
16,991.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
16,992.8	CW	UAT	Moscow Radio, USSR	FC	15.0	
16,995.0	CW	SVF6	Athens Radio, Greece	FC	5.0	
16,997.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
16,997.6	CW	WSL	Amagansett Radio, NY	FC	30.0	
16,998.5	CW	JDC	Choshi Radio, Japan	FC	15.0	
17,000.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
17,002.5	CW	NMR	San Juan CG Radio, PR	FC	10.0	USCG/AMVER
17,002.7	CW	HKB	Barranquilla Radio, Colombia	FC	0.5	
17,004.3	CW	ZRH6	Cape (Fisantekraal) Naval Radio, RSA	FC	15.0	RSA Navy
17,004.9	CW	IQH	Napoli P.T. Radio, Italy	FC	6.0	
17,005.0	CW	IAR37	Rome P.T. Radio, Italy	FC	15.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
17,007.2	CW	PCH61	Scheveningen Radio, Netherlands	FC	10.0	AMVER
	CW	KLB	Seattle Radio, WA	FC	3.5	
17,010.0	CW	URD	Leningrad Radio, USSR	FC	15.0	
17,014.0	CW	UEK	Feodosia Radio, USSR	FC	1.0	
17,015.1	CW	UJQ	Kiev-I Radio, USSR	FC	15.0	
17,016.0	CW	SPH8	Gdynia Radio, Poland	FC	10.0	
17,016.5	CW	KPH	San Francisco Radio, CA	FC	30.0	
17,017.1	CW	OST6	Oostende Radio, Belgium	FC	30.0	
17,018.0	CW	EBA	Madrid Radionaval Radio, Spain	FC	10.0	Spanish Navy
17,017.9	CW	ZSC44	Cape Town Radio, RSA	FC	10.0	
17,020.1	CW	UDK2	Murmansk Radio, USSR	FC	5.0	
17,021.4	CW	TAH	Istanbul Radio, Turkey	FC	3.0	
17,021.6	CW	WSL	Amagansett Radio, NY	FC	30.0	
17,026.0	CW	KFS	San Francisco Radio, CA	FC	10.0	
17,027.0	CW	FFL8	St. Lys Radio, CA	FC	10.0	
17,029.0	CW	JMC6	Tokyo Radio, Japan	FC	2.5	NOAA reports
<i>wx broadcasts at 0318, 0918, 1518 & 2118</i>						
17,030.4	CW	GYA	Whitehall (London) Naval R., England	FC	10.0	British Navy
17,030.8	CW	GYC6	Whitehall (London) Naval R., England	FC	10.0	British Navy
17,036.0	CW	UXN	Arkhangelsk Radio, USSR	FC	15.0	
17,037.0	CW	YQ14	Constanta Radio, Rumania	FC	1.0	
17,040.0	CW	PJK217	Suffisant Dorp. Radio, Netherlands	FC	10.0	Dutch Navy
<i>Antilles</i>						
17,040.8	CW	FFS8	St. Lys Radio, France	FC	10.0	
	CW	FJA26	Mahina Radio, Tahiti	FC	1.0	
17,043.0	CW	GLO20	Whitehall (London) Naval R., England	FC	....	British Navy
17,043.2	CW	JCU	Choshi Radio, Japan	FC	15.0	
17,045.0	CW	ROT2	Moscow Naval Radio, USSR	FC	15.0	Russian Navy
17,045.6	CW	LPD46	Gen. Pacheco Radio, Argentina	FC	15.0	
	CW	YUR8	Rijeka Radio, Yugoslavia	FC	2.5	
17,045.7	CW	HKC	Buenaventura Radio, Colombia	FC	0.5	
17,045.7	CW	4PB	Colombo Radio, Sri Lanka	FC	1.0	
17,048.0	CW	DAF	Norddeich Radio, GFR	FC	10.0	
17,049.0	CW	UFB	Odessa Radio, USSR	FC	15.0	
17,050.1	CW	4XZ	Haifa Naval Radio, Israel	FC	2.0	Israel Navy
17,050.4	CW	ASK	Karachi Radio, Pakistan	FC	3.5	
17,055.0	CW	LZW6	Varna Radio, Bulgaria	FC	5.0	
17,055.2	CW	CTV7	Monsanto Naval Radio, Portugal	FC	6.0	Port. Navy
17,055.6	CW	D4A8	Sao Vicente Radio, Cape Verde Is.	FC	3.0	
17,057.2	CW	SAB8	Göteborg Radio, Sweden	FC	5.0	
17,059.0	CW	UAT	Moscow Radio, USSR	FC	10.0	
17,060.0	CW	4XO	Haifa Radio, Israel	FC	2.5	
17,063.0	CW	UFB	Odessa Radio, USSR	FC	15.0	
17,064.0	CW	SPT8	Gdynia Radio, Poland	FC	10.0	
17,064.8	CW	FUX	Le Port Radio, Reunion	FC	5.0	French Navy
	CW	KOK	Los Angeles Radio, CA	FC	15.0	NOAA reports
<i>wx broadcast at 1650</i>						
17,065.0	CW	EDZ6	Aranjuez Radio, Spain	FC	20.0	
17,066.0	CW	UAT	Moscow Radio, USSR	FC	10.0	
17,068.5	CW	OXZ8	Lyngby Radio, Denmark	FC	10.0	
17,069.6	CW	JJC	Tokyo Radio, Japan	FC	15.0	NTM
	FAX	JJC	Tokyo Radio, Japan	FC	2.0	Meteo
17,069.6	CW	XFL2	Mazatlan Radio, Mexico	FC	1.0	
17,070.0	CW	SPL8	Szczecin Radio, Poland	FC	10.0	
17,072.0	CW	GKG6	Portishead Radio, England	FC	10.0	
17,074.4	CW	PNK	Jayapura Radio, Indonesia	FC	1.0	
	CW	LGX	Rogaland Radio, Norway	FC	5.0	AMVER
17,075.0	CW	ZSD47	Durban Radio, RSA	FC	3.5	
17,077.0	CW	UAH	Tallinn Radio, Estonian SSR	FC	5.0	
17,079.0	CW	HLF	Seoul Radio, S. Korea	FC	....
	CW	HLP	Pusan Radio, S. Korea	FC	3.0	
17,079.4	CW	SAG8	Göteborg Radio, Sweden	FC	5.0	AMVER
17,080.0	CW	XSQ	Guangzhou Radio, PRC	FC	5.0	
17,081.6	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
17,084.1	CW	IQX	Trieste P.T. Radio, Italy	FC	6.0	
17,088.7	CW	CTU7	Monsanto Naval Radio, Portugal	FC	6.0	Port. Navy

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
17,088.9	CW	KPH	San Francisco Radio, CA	FC	30.0	
17,092.0	CW	GKH6	Portishead Radio, England	FC	10.0	
17,093.5	CW	AQP4	Karachi Naval Radio, Pakistan	FC	....	Pakistan Navy
17,093.6	CW	JOR	Nagasaki Radio, Japan	FC	15.0	
17,094.4	CW	SVB6	Athens Radio, Greece	FC	5.0	
17,096.0	CW	VPS80	Cape D'Aguilar Radio, Hong Kong	FC	2.5	TIME SIGNALS/ NOAA reports wx broadcasts at 0118, 0430 & 0818 Tfc
17,098.4	CW	GKA6	Portishead Radio, England	FC	10.0	NOAA reports wx broadcasts at 0930, 1130 & 2130
17,100.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
17,103.2	CW	XSG	Shanghai Radio, PRC	FC	15.0	
17,104.0	CW	PCH62	Scheveningen Radio, Netherlands	FC	15.0	AMVER
17,105.0	CW	WWD	La Jolla (Scripps) Radio, CA	FC	5.0	NOAA
	CW	IRM6	C.I.R.M., Rome, Italy	FC	7.5	AMVER/Medico
17,107.0	CW	UTA	Tallinn Radio, Estonian SSR	FC	5.0	
17,108.0	CW	FUF	Fort de France, Martinique	FC	20.0	French Navy
17,110.0	CW	UFL	Vladisvostok Radio, USSR	FC	15.0	
17,110.2	CW	RIW	Khiva Naval Radio, USSR	FC	....	Russian Navy
17,112.0	CW	DZP	Novaliches Radio, Philippines	FC	1.0	
	CW	CTP	Oeiras Naval Radio, Portugal	FC	....	Port. Navy/NATO
17,112.6	CW	JCS	Choshi Radio, Japan	FC	3.0	
17,112.9	CW	GKB6	Portishead Radio, England	FC	10.0	
17,117.6	CW	PBC37	Goeree Naval Radio, Netherlands	FC	10.0	Dutch Navy
	CW	WNU	Slidell Radio, LA	FC	4.0	NOAA reports wx broadcasts at 0430 & 1630
17,118.1	CW	HLG	Seoul Radio, S. Korea	FC	10.0	
17,120.0	CW	PPO	Olinda Radio, Brazil	FC	1.0	
17,124.5	CW	VRT	Bermuda Radio, Bermuda	FC	1.0	
17,125.0	CW	JJF	Tokyo Naval Radio, Japan	FC	3.0	Japanese Defense Agency
17,127.2	CW	ZLO6	Irirangi Naval Radio, New Zealand	FC	2.0	RNZ Navy
17,130.0	CW	HAR	Budapest Naval Radio, Hungary	FC	1.0	
	CW	ROT	Moscow Naval Radio, USSR	FC	15.0	Russian Navy
17,131.0	CW	UJQ7	Kiev-I Radio, USSR	FC	15.0	
17,132.0	CW	HLW	Seoul Radio, S. Korea	FC	5.0	
	CW	ZSJ6	Cape (Silvermine) Naval Radio, RSA	FC	5.0	AMVER
17,132.2	CW	XSV	Tianjin Radio, PRC	FC	5.0	
17,135.7	CW	GKN6	Portishead Radio, England	FC	6.0	
17,136.0	CW	DZR	Manila Radio, Philippines	FC	2.0	NOAA reports wx broadcast at 0120
17,136.8	CW	GKM6	Portishead Radio, England	FC	6.0	
	CW	NBA	Balboa Naval Radio, Canal Zone	FC	10.0	USN/AMVER
17,137.1	CW	GKO6	Portishead Radio, England	FC	6.0	
17,141.0	CW	UMV	Murmansk Radio, USSR	FC	15.0	
17,141.6	CW	YVG	La Guaira Radio, Venezuela	FC	0.3	
17,143.6	CW	DAN	Norddeich Radio, GFR	FC	5.0	
17,145.0	CW	LZW6	Varna Radio, Bulgaria	FC	5.0	
17,146.4	CW	4XO	Haifa Radio, Israel	FC	2.5	
	CW	NMN	Portsmouth CG Radio, VA	FC	10.0	USCG
17,151.0	CW	GKI6	Portishead Radio, England	FC	6.0	
17,151.2	CW	NMC	San Francisco CG Radio, CA	FC	5.0	USCG NOAA re- ports wx broadcasts at 0030, 1900 & 2100
	FAX	NMC	San Francisco CG Radio, CA	FC	2.0	USCG/Meteo
17,152.0	CW	DZZ	Manila Radio, Philippines	FC	1.5	
	CW	UJY2	Kaliningrad Radio, USSR	FC	15.0	
17,152.7	CW	URL	Sevastopol Radio, USSR	FC	5.0	
17,156.0	CW	NGR	Nea Makri, Greece	FC	30.0	USN
	CW	NPN	Barrigada (Agana NAS), Guam	FC	10.0	USN
	CW	NWC	Northwest Cape Naval R., Australia	FC	15.0	USN
17,160.0	CW	PWZ	Rio de Janeiro Radio, Brazil	FC	2.0	BN/USN
	CW	DZO	Manila (Bulacan) Radio, Philippines	FC	2.0	NOAA reports wx broadcasts at 1030 & 2330
17,160.8	CW	LSA6	Boca Radio, Argentina	FC	3.0	
	CW	IAR27	Rome P.T. Radio, Italy	FC	15.0	
	CW	WOE	Lantana Radio, FL	FC	3.0	
17,161.3	CW	VIS6	Sydney Radio, Australia	FC	5.0	AMVER

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
17,162.0	CW	A9M	Bahrain Radio, Bahrain	FC	2.0	
	CW	PPO	Olinda Radio, Brazil	FC	1.0	NOAA reports
				wx broadcasts at 0400 & 2020		
17,164.8	CW	ZSC7	Cape Town Radio, RSA	FC	10.0	TIME SIGNALS/Tfc
17,165.6	CW	CLA41	Havana (Cojimar) Radio, Cuba	FC	5.0	
	CW	LFF	Rogaland Radio, Norway	FC	5.0	AMVER
17,166.4	CW	JCT	Choshi Radio, Japan	FC	3.0	
17,167.5	CW	GKK2	Portishead Radio, England	FC	10.0	
17,168.0	CW	DZN	Manila (Navotas) Radio, Philippines	FC	3.0	NOAA reports
				wx broadcasts at 0200 & 1400		
17,169.0	CW	A9M	Bahrain Radio, Bahrain	FC	2.0	
17,170.0	CW	PPL	Belém Radio, Brazil	FC	1.0	NOAA reports
				wx broadcasts at 0400 & 2020		
	CW	PPJ	Junaçao Radio, Brazil	FC	1.0	
	CW	UDK2	Murmansk Radio, USSR	FC	5.0	
17,170.4	CW	CNP	Casablanca Radio, Morocco	FC	1.0	
	CW	ZLB6	Awarua Radio, New Zealand	FC	5.0	AMVER
	CW	WPD	Tampa Radio, FL	FC	0.4	NOAA reports
				wx broadcasts at 1420 & 2020		
17,170.8	CW	PJC	Curaçao Radio, Netherlands Antilles	FC	2.5	
17,172.0	CW	UFN	Novorossiisk Radio, USSR	FC	5.0	
17,172.4	CW	WLO	Mobile Radio, AL	FC	20.0	NOAA reports
				wx broadcasts at 1300 & 2300		
17,173.0	CW	ZAD2	Durrës Radio, Albania	FC	1.0	
17,175.0	CW	5ZF4	Mombassa Radio, Kenya	FC	1.5	
17,175.2	CW	A9M	Bahrain Radio, Bahrain	FC	2.0	
	CW	VAI	Vancouver CG Radio, Canada	FC	5.0	AMVER NOAA re-
				ports wx broadcasts at 0130, 0530 & 1730		
	CW	DAL	Norddeich Radio, GFR	FC	10.0	
	CW	9GA	Takoradi Radio, Ghana	FC	10.0	
	CW	9LL	Freetown Radio, Sierra Leone	FC	1.5	
	CW	EAC5	Cadiz (Tarifa) Radio, Spain	FC	0.8	
	CW	7OA	Aden Radio, Democratic Yemen	FC	2.0	
17,175.5	CW	CLS	Havana (La Fe Prairie) Radio, Cuba	FC	5.0	
17,175.6	CW	DZG	Manila (Las Piñas) Radio, Philippines	FC	5.0	AMVER
17,180.0	CW	HWN	Paris, France	FC	....	French Navy
17,181.0	CW	UDH	Riga Radio, Latvian SSR	FC	5.0	
17,183.5	CW	RIW	Khiva Naval Radio, USSR	FC	....	Russian Navy
17,184.0	CW	DZK	Manila (Bulacan) Radio, Philippines	FC	1.0	
17,184.8	CW	KFS	San Francisco Radio, CA	FC	10.0	NOAA reports
				wx broadcasts at 0420, 1620, 2200 & 2300		
	CW	PKE	Amboina Radio, Indonesia	FC	1.0	
	CW	PKP	Dumai Radio, Indonesia	FC	1.0	
	CW	9YL	North Post Radio, Trinidad	FC	0.5	NOAA reports
				wx broadcasts at 1200 & 1530		
	CW	EAD5	Aranjuez Radio, Spain	FC	2.0	
17,187.0	CW	OST62	Oostende Radio, Belgium	FC	10.0	
17,188.0	CW	SVI6	Athens Radio, Greece	FC	5.0	
17,189.6	CW	CLQ	Havana (Cojimar) Radio, Cuba	FC	5.0	
	CW	9HD	Malta Radio, Malta	FC	1.0	
17,190.5	CW	UFA/UHK	Batumi Radio, USSR	FC	5.0	
17,192.0	CW	VRN80	Cape D'Aguilar Radio, Hong Kong	FC	3.0	
17,194.0	CW	C2N	Nauru Radio, Nauru	FC	1.0	
17,194.4	CW	VIS64	Sydney Radio, Australia	FC	5.0	
	CW	PPR	Rio Radio, Brazil	FC	1.0	TIME SIGNALS/Tfc
	CW	SVA6	Athens Radio, Greece	FC	5.0	
17,197.5	CW	9VG28	Singapore Radio, Singapore	FC/FX	....
17,198.0	CW	GKE6	Portishead Radio, England	FC	6.0	
17,199.0	CW	5OW17	Lagos Radio, Nigeria	FC	1.0	
17,199.4	CW	PKD	Surabaya Radio, Indonesia	FC	1.0	

Coast Stations USB Duplex

17,232.9	USB	KQM	Kahuku (Honolulu) Radio, HI'	FC	0.8	NOAA CH#1601 (16,460.0)
	USB	LFN2	Rogaland Radio, Norway	FC	10.0	" "

Coast Stations USB Duplex

kHz	Mode	Call	Location	Service	kW	Remarks
17,232.9	USB	WOM	Miami Radio, FL	FC	10.0	CH#1601
17,236.0	USB	VIS	Sydney Radio, Australia	FC	5.0	(NOAA reports wx broadcast at 1230) (16,460.0) CH#1602
	USB	GKT62	Portishead Radio, England	FC	10.0	(16,463.1) "
	USB	KMI	San Francisco (Dixon) Radio, CA	FC	10.0	" "
17,239.1	USB	5BA62	Nicosia Radio, Cyprus	FC	10.0	(NOAA reports wx broadcasts at 0000, 0600 & 1500) CH#1603
	USB	....	Rome Radio 7, Italy	FC	7.0	(16,466.2) "
	USB	LFN3	Rogaland Radio, Norway	FC	10.0	" "
17,242.2	USB	VCS	Halifax CG Radio, Canada	FC	5.0	CH#1604
	USB	FFL83	St. Lys Radio, France	FC	10.0	(16,469.3) "
	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
	USB	LFN4	Rogaland Radio, Norway	FC	10.0	" "
17,245.3	USB	FFL86	St. Lys Radio, France	FC	10.0	CH#1605
	USB	....	Göteborg Radio, Sweden	FC	5.0	(16,472.4) "
	USB	WOO	New York (Ocean Gate) Radio, NY	FC	10.0	" "
17,248.4	USB	....	Rome Radio 7, Italy	FC	7.0	(NOAA reports wx broadcasts at 0100, 1300 & 1900) CH#1606
	USB	....	several, in the USA	FC	....	(16,475.5) " "
	(Usually NMA, Miami, FL; NMC, San Francisco, CA & NMG, New Orleans, LA)	LFN6	Rogaland Radio, Norway	FC	10.0	USCG CH#1607
17,251.5	USB	WLO	Mobile Radio, AL	FC	10.0	(16,478.6) "
17,254.6	USB	....	Genoa Radio 7, Italy	FC	7.0	CH#1608
	USB	ZSC28	Cape Town Radio, RSA	FC	10.0	(16,481.7) "
	USB	....	Göteborg Radio, Sweden	FC	5.0	" "
17,257.7	USB	SVN6	Athens Radio, Greece	FC	10.0	CH#1609
	USB	JBO	Tokyo Radio, Japan	FC	10.0	(16,484.8) "
	USB	WOM	Miami Radio, FL	FC	10.0	" "
17,260.8	USB	DAP	Norddeich Radio, GFR	FC	10.0	(NOAA reports wx broadcast at 1330) CH#1610
	USB	WOM	New York (Ocean Gate) Radio, NY	FC	10.0	(16,487.9) "
17,263.9	USB	OHG2	Helsinki Radio, Finland	FC	10.0	(NOAA reports wx broadcast at 2230) CH#1611
	USB	HEB17	Berne Radio, Switzerland	FC	10.0	(16,491.0) "
	USB	WOM	New York (Ocean Gate) Radio, NY	FC	10.0	" "
17,267.0	USB			FC		(NOAA reports wx broadcast at 2330) CH#1612
17,270.1	USB	4XO	Haifa Radio, Israel	FC	10.0	(16,494.1) CH#1613
	USB	9VG68	Singapore Radio, Singapore	FC	10.0	(16,497.2) "
	USB	....	numerous, around North America	FC	....	USCG
17,273.2	USB	....	Göteborg Radio, Sweden	FC	5.0	CH#1614
17,276.3	USB	CUL37	Lisbon Radio, Portugal	FC	5.0	(16,500.3) CH#1615
	USB	HEB27	Berne Radio, Switzerland	FC	10.0	(16,503.4) "
17,279.4	USB	DAJ	Norddeich Radio, GFR	FC	10.0	CH#1616
17,282.5	USB					(16,506.5) CH#1617
17,285.6	USB	VRT	Bermuda Radio, Bermuda	FC	1.0	(16,509.6) CH#1618
17,288.7	USB	FFL84	St. Lys Radio, France	FC	10.0	(16,512.7) CH#1619
	USB	LFN23	Rogaland Radio, Norway	FC	10.0	(16,515.8) "

Coast Stations USB Duplex

kHz	Mode	Call	Location	Service	kW	Remarks
17,291.8	USB	LFN24	Rogaland Radio, Norway	FC	10.0	CH#1620 (16,518.9)
	USB	WFN	Jeffersonville, IN	FC	0.8	Inland Waterway
	USB	WCK	St. Louis, MO	FC	0.8	Inland Waterway (Temporary FCC Order)
17,294.9	AM/USB	INTERNATIONAL COAST STATION CALLING FREQUENCY				.... CH#1621 (16,522.0)
17,298.0	USB	FFL85	St. Lys Radio, France	FC	10.0	CH#1622 (16,525.1)
17,301.1	USB	PCG63	Scheveningen Radio, Netherlands	FC	10.0	CH#1623 (16,528.2)
	USB	....	Kiev Radio, USSR	FC	5.0	" "
17,304.2	USB	....	Rome Radio 7, Italy	FC	7.0	CH#1624 (16,531.3)
17,307.3	USB	SVN6	Athens Radio, Greece	FC	5.0	CH#1625 (16,534.4)
	USB	NMC	San Francisco CG Radio, CA	FC	10.0	USCG CH#1625 (NOAA reports wx broadcasts at 1630 & 2230) (16,534.4)
	USB	NMN	Portsmouth Communications Station, VA	FC	10.0	USCG CH#1625 (NOAA reports wx broadcast at 1730) (16,534.4)
			This frequency also used by USCG Coast Stations: NMA, Miami, FL; NMG, New Orleans, LA; NMF, Boston, MA; NOJ, Kodiak, AK; NMO, Honolulu, HI and NRV, Barrigada, Guam			
17,310.4	USB	SVN6	Athens Radio, Greece	FC	5.0	CH#1626 (16,537.5)
	USB	WOO	New York (Ocean Gate) Radio, NY	FC	10.0	" " (NOAA reports wx broadcasts at 0200, 1400 & 2000)
17,313.5	USB	LFN26	Rogaland Radio, Norway	FC	10.0	CH#1627 (16,540.6)
17,316.6	USB	FFL81	St. Lys Radio, France	FC	10.0	CH#1628 (16,543.7)
17,319.7	USB			FC		CH#1629 (16,546.8)
17,322.8	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	CH#1630 (16,549.9)
17,325.9	USB	SVN6	Athens Radio, Greece	FC	5.0	CH#1631 (16,553.0)
	USB	HEB37	Berne Radio, Switzerland	FC	10.0	" "
17,329.0	USB	GKW62	Portishead Radio, England	FC	10.0	CH#1632 (16,556.1)
	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
	USB	WLO	Mobile Radio, AL	FC	10.0	" "
17,332.1	USB	FFL82	St. Lys Radio, France	FC	10.0	CH#1633 (16,559.2)
	USB	ZSD41	Durban Radio, RSA	FC	10.0	" "
17,335.2	USB			FC	5.0	CH#1634 (16,562.3)
17,338.3	USB	CUG	Horta (Ponta Delgada) Radio, Azores	FC	5.0	CH#1635 (16,565.4)
	USB	....	Lyngby Radio, Denmark	FC	10.0	" "
17,341.4	USB	PCG61	Scheveningen Radio, Netherlands	FC	10.0	CH#1636/AMVER (16,568.5)
17,344.5	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	CH#1637 (16,571.6)
17,347.6	USB	NMC	San Francisco CG Radio, CA	FC	10.0	USCG/CH#1638 (16,574.7)
			This frequency also used by USCG Coast Stations: NMF, Boston, MA; NMN, Portsmouth, VA and NMO, Honolulu, HI			
17,350.7	USB	DAH	Norddeich Radio, GFR	FC	10.0	CH#1639 (16,577.8)
	USB	PCG62	Scheveningen Radio, Netherlands	FC	10.0	" "
	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
17,353.8	USB	SVN6	Athens Radio, Greece	FC	5.0	CH#1640 (16,580.9)
17,356.9	USB	9VG69	Singapore Radio, Singapore	FC	10.0	CH#1641 (16,584.0)

Coast Stations USB Duplex

kHz	Mode	Call	Location	Service	kW	Remarks
17,356.9	USB	....	Göteborg Radio, Sweden	FC	5.0	CH#1641
	USB	WLO	Mobile Radio, AL	FC	10.0	" (16,584.0)"
(NOAA reports wx broadcasts at 1330, 1730 & 2330)						
<u>17,360.0-17,700.0 kHz - Fixed Service (Worldwide)</u>						
17,365.0	CW	....	numerous, in Caribbean/South America	AX	....	Aero Tfc
	FAX	SUU	Cairo, Egypt	FX	....	Meteo
	CW/FAX	5YE3	Nairobi, Kenya	FX	10.0	Meteo
17,366.0	USB	VNV8	Sydney (Doonside), Australia	FX	10.0	Telcom
17,373.0	CW	6MK58	Seoul, S. Korea	FX	3.0	Tfc
17,386.0	ISB	TJF73	Douala, Cameroon	FX	20.0	Telcom/Tfc
17,391.5	ISB	KUQ20	Pago Pago, American Samoa	FX	10.0	Telcom
17,408.6	FAX	WWD	La Jolla (Scripps), CA	FX	....	Meteo
17,410.0	USB	VKS50	Sydney (Doonside), Australia	FX	30.0	Telcom
17,412.0	ISB	TYK73	Cotonou, Benin	FX	20.0	Telcom/Tfc
17,415.0	USB	HEK66	Berne (Schwarzenburg), Switzerland	FX	4.0	Telcom
17,418.0	USB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY
	USB	OHU21	Paris, France	FX	1.0	Finnish EMBASSY
17,419.0	CW	CCS	Santiago Naval Radio, Chile	FX/FC	....	Chilean Navy
17,422.0	LSB	PCK37	Hilversum (Kootwijk), Netherlands	FX	30.0	Backup Feeder
						for Radio Netherland
17,430.0	LSB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY
17,433.5	USB	ATD67	Bombay (Kirkee), India	FX	10.0	Telcom
17,436.5	FAX	WFK67	New York, NY	FX	50.0	Meteo
17,437.0	USB	9UB83	Bujumbura, Burundi	FX	1.5	Telcom
17,446.2	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
17,469.9	USB	FTR47	Paris (St. Assise), France	FX	20.0	Telcom
17,472.5	USB	WES77	New York, NY	FX	40.0	Telcom/Tfc
17,480.0	ISB	ATJ67	Bombay (Kirkee), India	FX	10.0	Telcom/Tfc
17,488.6	USB	....	Northwest Pacific LORAN Net	FX	....	USCG (For list of stations see 7836.6)
17,490.0	ISB	....	Beijing, PRC	FX	....	R. Beijing Feeder
17,503.7	USB	FTR50	Paris (St. Assise), France	FX	20.0	Telcom
17,513.0	USB	....	Beijing, PRC	FX	....	Telcom
17,515.0	ISB	TYK75	Cotonou, Benin	FX	20.0	Telcom/Tfc
17,520.0	FAX	HSW61	Bangkok, Thailand	FX	3.0	Meteo (Also RTTY)
17,530.0	CW	NPN	Barrigada (Agana NAS), Guam	FX/FC	15.0	USN NOAA reports wx broadcasts at 0400, 1300, 1700 & 2300
17,537.9	USB	FZW75	Pointe a Pitre, Guadeloupe	FX	20.0	Telcom
17,550.0	CW	LQC20	Buenos Aires (Mt. Grande), Argentina	FX	5.0	TIME SIGNALS/Tfc
	CW	UJY2	Kaliningrad Radio, USSR	FX/FC	5.0	Tfc
17,552.0	CW	KWL90	unknown, probably in Far East	FX	....	USA EMBASSY
17,553.5	USB	LOL	Buenos Aires Naval Radio, Argentina	FX/FC	3.0	Argentine Navy (Also CW & RTTY)
	USB	YWM	Maracaibo Naval Radio, Venezuela	FX/FC	....	Venezuelan Navy (Also CW & RTTY)
17,559.0	ISB	....	unknown, but in Nepal	FX	....	Telcom/Tfc
17,560.0	FAX	CFH	Maritime Command Radio, Halifax, Canada (Canadian Navy)	FX	10.0	Meteo
	CW	6WW	Dakar Naval Radio, Senegal	FX/FC	....	French Navy
17,571.8	CW	ZUJ	Pretoria (Jan Smuts), RSA	AX	3.0	Aero Tfc
17,580.1	USB	....	Moscow, USSR	FX	....	R. Moscow Feeder
17,590.0	CW	LOL	Buenos Aires Naval Radio, Argentina	FX/FC	3.0	Argentine Navy (Also RTTY)
	CW	PWZ	Rio de Janeiro Naval Radio, Brazil	FX/FC	15.0	BN/USN
	CW	CCQ	Iquique Naval Radio, Chile	FX/FC	....	Chilean Navy
	CW	CCS	Santiago Naval Radio, Chile	FX/FC	....	Chilean Navy
	CW	5KM	Bogota Naval Radio, Colombia	FX/FC	....	Colombian Navy
	CW	OBC	Callao Naval Radio, Peru	FX/FC	....	Peruvian Navy
	CW	CXR	Montevideo Naval Radio, Uruguay	FX/FC	....	Uruguayan Navy
	CW	YWM	Maracaibo Naval Radio, Venezuela	FX/FC	....	Venezuelan Navy

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
17,605.0	CW	CLN572	Havana (Bauta), Cuba	FX	20.0	Tfc
17,609.8	USB	WED57	San Francisco (Dixon), CA	FX	20.0	Telcom
17,615.0	LSB	FZJ76	Djibouti, Djibouti	FX	10.0	Telcom
17,620.0	CW	IDQ	Rome Naval Radio, Italy	FX/FC	15.0	Italian Navy (Nx in II at 1800)
17,630.0	CW	VTK6	Tuticorin Naval Radio, India	FX/FC	....	Indian Navy
17,635.0	USB	....	Berlin, GDR	FX	....	Telcom
17,640.0	ISB	WEK67	New York, NY	FX	80.0	Telcom/Tfc
17,642.0	USB	....	Daventry, England	FX	30.0	BBC Feeder
17,652.8	CW	ONY27	Rouveroy, Belgium	FX	....	Belgium Army
17,660.0	FAX	RUZU	Molodezhnaya USSR Base, Antarctica	FX	....	Meteo
17,665.0	CW	LOL	Buenos Aires Naval Radio, Argentina	FC	3.0	Argentine Navy/ AMVER
17,670.5	FAX	KWAF	Washington, DC	FX	4.0	Meteo
17,696.0	ISB	JBQ67	Tokyo, Japan	FX	5.0	Telcom/Tfc

17,700.0-17,900.0 kHz - International Broadcasting (Worldwide)

17,900.0-18,030.0 kHz - Aeronautical Mobile (Worldwide)

17,909.0	AM	....	Brazzaville, Congo	FA	5.0	VOLMET in FF
17,917.0	AM/A3H	....	numerous (ICAO-C/NE/NW/SE & SW-SAM)	FA/MA	....	Airports & in-flight covering the South American continent
17,925.0	AM/A3H	....	numerous (ICAO AFI-1/2/3 & 4, plus E & W-CAR)	FA/MA	....	Airports & in-flight covering the entire African continent, Arabian Sea, plus Bombay and Karachi. Also all of the Caribbean area north to New York & south to Bogota and Caracas
17,941.0	AM/A3H	....	numerous (ICAO NAT-A/B/C & D)	FA/MA	....	Airports & in-flight covering all of the mid and North Atlantic Ocean from New York to Lisbon & Madrid, north to the Arctic regions
17,949.0	AM/A3H	....	several (ICAO SAT)	FA/MA	....	Airports & in-flight across South Atlantic Ocean from Dakar to Rio de Janeiro
17,965.0	AM/A3H	....	numerous (ICAO SEA-1/2 & 3)	FA/MA	....	Airports & in-flight covering all of southeastern Asia from New Delhi to Perth and east to Manila and Biak
17,982.0	USB	....	several, in the USA	FA/MA	....	Flight Tests
	USB	....	Enköping, Sweden	FA	5.0	
	USB	....	several, in Australia	FA/MA	....	RAAF
	USB	....	numerous, worldwide	FA/MA	....	USN
17,985.0	USB	....	numerous, mostly Atlantic Coast	FA/MA	....	USN
17,993.0	USB	....	several, worldwide	FA/MA	....	USAF
17,998.0	CW	CAK	Santiago (Los Cerrillos), Chile	FA	....	Chilean AF
18,002.0	USB	AIF80	Yokota AB, Japan	FA/MA	1.2	USAF
18,009.0	USB	....	numerous, worldwide	FA/MA	....	USN
18,012.0	USB	....	several, in Canada and Europe	FA/MA	....	RCAF
	USB	....	numerous, worldwide	FA/MA	....	USN
18,013.5	CW	CAK	Santiago (Los Cerrillos), Chile	FA	0.2	Chilean A.F. (NOAA reports wx broadcasts at 0130, 1330 & 2000)
18,019.0	USB	....	numerous, worldwide	FA/MA	....	USAF (Includes: AFE8, MacDill AFB, FL; AHF, Albrook AFS, Canal Zone and AIF20, Yokota AB, Japan)
18,027.0	USB	....	several, worldwide	FA/MA	....	USAF (Particularly AFA, Andrews AFB, MD and "Air Force 1" when overseas)

18,030.0-19,990.0 kHz - Fixed Service (Worldwide)

18,032.0	CW	GYA	Whitehall (London) Naval R., England	FX	5.0	British Navy
18,041.0	USB	....	Beijing, PRC	FX	....	Telcom/Tfc
18,043.4	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY
18,051.0	CW/FAX	VNA31	Hanoi, Viet Nam	FX	....	Nx
18,060.0	FAX	AXI36	Darwin, Australia	FX	5.0	Meteo
18,073.0	USB	5RY81	Tananarive, Madagascar	FX	10.0	Telcom
18,076.0	CW	UCA	Odessa Radio, USSR	FX	....	Tfc to Cuba
18,087.5	USB	....	several, mostly west coast of USA	FX/FC	....	USN
18,082.5	FAX	VNA79	Hanoi, Viet Nam	FX	....	Meteo/Nx

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
18,087.0	CW	JPA24	Tokyo, Japan	FX	5.0	INTERPOL (Far East distribution point to Melbourne, Australia; New Delhi, India; Seoul, S. Korea; Hong Kong; Kuala Lumpur, Malaysia; Manila, Philippines, etc. to law enforcement agencies)
18,089.0	USB	XTA80	Ouagadougou, Upper Volta	FX	20.0	Telcom/Tfc
18,093.0	FAX	LR084	Gen. Pacheco Radio, Argentina	FX	5.0	Meteo (Also RTTY)
18,095.0	CW	CTV78	Monsanto Naval Radio, Portugal	FX/FC	3.0	Port. Navy
18,100.0	CW	OMZ	Prague, Czechoslovakia	FX	....	EMBASSY
18,103.5	CW	SNN99	Warsaw, Poland	FX	....	EMBASSY
18,109.0	ISB	IRQ41	Rome (Torrenova), Italy	FX	30.0	Telcom/Tfc
18,126.0	ISB	CP14	La Paz, Bolivia	FX	7.5	Telcom/Tfc
18,130.0	FAX	JMJ5	Tokyo (Usui), Japan	FX	5.0	Meteo
18,135.0	ISB	DGS23	Hamburg, GFR	FX	20.0	Telcom/Tfc
18,140.0	CW	....	several, in Europe and Middle East	FX	....	Algerian
18,150.0	CW	CVM8	Montevideo (Pajas Blancas), Uruguay	EMBASSY (Signs with call prefix "7RV") FX	14.0	Tfc
18,170.0	USB	RIF33	Moscow, USSR	FX	20.0	Telcom
18,175.0	CW	CCV	Valparaiso Naval Radio, Chile	FX/FC	....	Chilean Navy
			(NOAA reports wx broadcasts at 1430 & 2030)			
	ISB	CML52	Havana (Bauta), Cuba	FX	30.0	Telcom/Tfc
18,177.0	ISB	DGS24	Hamburg, GFR	FX	20.0	Telcom/Tfc
18,185.0	ISB	NAW5	Guantanamo, Cuba	FX	....	Telcom/Tfc
18,187.5	CW	SDQ7	Stockholm (Varberg), Sweden	FX	35.0	Nx/Tfc
18,190.0	CW	FSB59	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL
	LSB	CXL31	Montevideo (Pajas Blancas), Uruguay	FX	2.5	Telcom
18,195.0	LSB	RCI73	Moscow, USSR	FX	20.0	R. Moscow
18,196.1	CW/USB	....	Atlantic Area Domestic Emergency Net	FC/FX	..	USCG (For list of stations see 9125.6)
	CW/USB	....	Pacific Area Domestic Emergency Net	FC/FX	...	USCG (For list of stations see 7528.6)
18,200.0	ISB	GAW38	London (Rugby), England	FX	30.0	Telcom/Tfc
18,207.5	ISB	WET48	New York, NY	FX	40.0	Telcom/Tfc
18,209.8	USB			FX		Telcom
18,220.0	FAX	JMH5	Tokyo, Japan	FX	5.0	Meteo
18,227.0	FAX	ATP38	New Delhi, India	FX	10.0	Meteo
18,235.0	ISB	4Q081	Colombo (Kotugoda), Sri Lanka	FX	30.0	Telcom/Tfc
18,240.0	FAX	ZR04	Pretoria, RSA	FX	3.0	Meteo
18,249.4	USB	FTS25	Paris (St. Assise), France	FX	20.0	Telcom
18,250.0	CW	KNY27	Washington, DC	FX	1.0	Swiss EMBASSY
18,261.0	FAX	GFE24	Bracknell, England	FX	5.0	Meteo
18,265.0	ISB	TNH82	Brazzaville, Congo	FX	20.0	Telcom
18,275.0	ISB	....	Greenville, NC	FX	50.0	VOA Feeder
18,285.2	USB	RCV28	Moscow, USSR	FX	50.0	R. Moscow
			Feeder			
18,294.6	USB	TZA218	Bamako, Mali	FX	20.0	Telcom
18,306.5	CW	KNY28	Washington, DC	FX	1.0	Algerian
			EMBASSY			
18,310.0	LSB	RYR	Moscow, USSR	FX	15.0	R. Moscow
			Feeder			
18,363.5	USB	HZQ836	Jiddah, Saudi Arabia	FX	10.0	Telcom/Tfc
18,368.1	CW	CQK55	Sao Tomé, Sao Tomé e Príncipe	FX	....	Tfc
18,380.0	USB	CPP38	La Paz, Bolivia	FX	10.0	Telcom
18,400.0	CW	OMZ	Prague, Czechoslovakia	FX	....	EMBASSY
18,400.5	USB	LJA21	Tel Aviv, Israel	FX	0.4	Norwegian
			EMBASSY			
18,405.0	ISB	HLB37	Seoul, S. Korea	FX	30.0	Telcom/Tfc
18,428.5	USB	TNH84	Brazzaville, Congo	FX	20.0	Telcom
18,430.0	CW	KNY21	Washington, DC	FX	1.0	Yugoslavian
	CW	KNY23	Washington, DC	FX	1.0	Czech
			EMBASSIES			
18,435.0	CW	....	several, Africa and Far East	FX	....	Hungarian
			EMBASSY (Signs with call prefix "HGX")			
18,436.0	ISB	TUP84	Abidjan, Ivory Coast	FX	4.0	Telcom/Tfc
18,440.0	ISB	GBB38	London (Rugby), England	FX	30.0	Telcom/Tfc
18,447.5	ISB	NAW18	Guantanamo, Cuba	FX	....	Telcom/Tfc

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
18,459.9	CW	KWS78	Nicosia, Cyprus	FX	....	USA EMBASSY
18,460.0	CW	ELA18	Monrovia, Liberia	FX	1.3	Tfc
	USB	RRG29	Moscow, USSR	FX	15.0	R. Moscow Feeder
18,467.0	USB	ORI28	Brussels (Ruisseledé), Belgium	FX	30.0	Telcom
18,490.0	FAX	RUZU	Molodezhnaya USSR Base, Antarctica	FX	....	Meteo
18,490.1	CW	VVO		FX		Tfc
18,509.0	CW/FAX	WFK38	New York, NY	FX	50.0	Tfc/Nx
18,510.0	USB	....	Pyongyang, North Korea	FX	....	Telcom
18,512.0	ISB	ZPZ26	Asuncion, Paraguay	FX	10.0	Telcom/Tfc
18,515.0	USB	FTS51	Paris (St. Assise), France	FX	20.0	Telcom
18,525.0	CW	KKN50	Washington, DC	FX	10.0	EMBASSY
18,530.0	CW/RTTY	ELE28	Harbel, Liberia	FX	15.0	Tfc
18,535.0	ISB	MKD	Akrotiri, Cyprus	FX	5.0	RAF Tfc
18,536.0	USB	GMO38	London (Ongar), England	FX	20.0	Telcom
18,565.0	ISB	9XK82	Kigali, Rwanda	FX	10.0	Telcom/ Tfc
18,566.0	LSB	WET68	New York, NY	FX	20.0	Telcom
18,572.2	USB	WEK68	New York, NY	FX	80.0	Telcom
18,585.0	USB	....	unknown	FX	....	BBC Feeder
	USB	....	Enköping, Sweden	FA	7.0	
	USB	OCB56	Lima, Peru	FX	20.0	Telcom
18,586.0	CW	OQW	unknown	FX	....	Tfc/Mkr
18,587.0	USB	OZU25	Copenhagen, Denmark	FX	1.5	EMBASSY (Also
			on this frequency are: OZU30, Cairo, Egypt; OZU33, Tel Aviv, Israel; OZU34, Jiddah, Saudi Arabia; OZU35, Beijing, PRC; OZU37, Ankara, Turkey and OZU37, Lagos, Nigeria)			
18,619.0	USB	PCM88	Hilversum (Kootwijk), Netherlands	FX	30.0	Backup Feeder for Radio Netherlands
18,620.0	FAX	NPN	Barrigada (Agana NAS), Guam	FX/FC	15.0	USN Meteo
18,623.8	USB	FZY386	Miquelon, St. Pierre & Miquelon Is.	FX	16.0	Telcom
18,630.0	ISB	IRQ26	Rome (Torrenova), Italy	FX	10.0	Telcom
18,640.0	USB	YAK	Kabul, Afghanistan	FX	....	Telcom
18,652.0	ISB	RBI71	Moscow, USSR	FX	50.0	R. Moscow Feeder
18,675.0	USB	FPS67	Paris (St. Assise), France	FX	20.0	Telcom
18,691.5	LSB	ZEH	Salisbury, Rhodesia	FX	40.0	Telcom
18,705.0	ISB	CXL32	Montevideo, Uruguay	FX	2.5	Telcom/Tfc
18,710.0	ISB	PCW1	Sgravenhage, Netherlands	FX	1.2	EMBASSY (Also
			on this frequency are: PCW2, Jerusalem, Israel; PCW3, Beijing, PRC; PCW5, Cairo, Egypt; PCW6, Jiddah, Saudi Arabia; PCW7, Damascus, Syria; PCW8, Tripoli, Libya and PCW11, Bangkok, Thailand)			
18,721.1	CW/USB	....	Atlantic Area Domestic Emergency Net	FC/FX	..	USCG (For list of stations see 9125.6)
	CW/USB	....	Pacific Area Domestic Emergency Net	FC/FX	...	USCG (For list of stations see 7528.6)
18,725.0	ISB	TLZ87	Bangui, Central African Empire	FX	20.0	Telcom
18,738.0	ISB	5TN244	Nouakchott, Mauritania	FX	....	Telcom/Tfc
18,740.0	USB	....	Buenos Aires (G. Pacheco), Argentina	FX	....	Telcom
18,744.3	LSB	5OU89	Lagos (Ikorodu), Nigeria	FX	3.5	Telcom
18,750.0	ISB	MKD	Akrotiri, Cyprus	FX	....	RAF Tfc
	ISB	MKG	London (Stanbridge), England	FX	30.0	RAF Tfc
	ISB	CQF60	Bissau, Guinea-Bissau	FX	1.0	Telcom/Tfc
18,752.5	ISB	9KT357	Huban, Kuwait	FX	30.0	Telcom/Tfc
18,755.0	LSB	5YF88	Nairobi, Kenya	FX	....	Telcom
18,771.3	USB	FTS77	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
18,782.5	ISB	....	Greenville, NC	FX	50.0	VOA Feeder
18,789.8	USB	ORT48	Brussels (Ruisseledé), Belgium	FX	30.0	Telcom
18,808.0	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY (Also
			on this frequency are: SAM55, Bangkok, Thailand; SAM59, Hanoi, Viet Nam; SAM70, Addis Ababa, Ethiopia; SAM74, Monrovia, Liberia and SAM83, Santiago, Chile)			
18,819.6	USB	WEL28	New York, NY	FX	80.0	Telcom
18,824.0	USB	FTS82	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
18,830.0	AM	....	Moscow, USSR	FX	....	R. Moscow Feeder
18,833.4	USB	FTS83	Paris (St. Assise), France	FX	20.0	Telcom

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
18,843.5	USB	TLZ88	Bangui, Central African Empire	FX	20.0	Telcom
18,852.5	USB	ZEN89	Cape D'Aguilar, Hong Kong	FX	3.5	Telcom
18,853.5	USB	FTS85	Paris (St. Assise), France	FX	20.0	Telcom
18,856.7	LSB	5UR88	Niamey, Niger	FX	20.0	Telcom
18,880.0	USB	5YF87	Nairobi, Kenya	FX	10.0	Telcom
18,885.0	ISB	MKD	Akrotiri, Cyprus	FX	30.0	Telcom/Tfc
18,907.6	USB	FTS90	Paris (St. Assise), France	FX	20.0	Telcom
18,935.0	USB	FTS93	Paris (St. Assise), France	FX	20.0	Telcom
18,940.0	AM	....	Moscow, USSR	FX	....	R. Moscow Feeder
18,972.0	CW/RTTY	KKN50	Washington, DC	FX	10.0	EMBASSY
18,977.2	ISB	5TN30	Nouakchott, Mauritania	FX	20.0	Telcom/Tfc
18,985.7	CW/RTTY	LHP2	Oslo (Jeloey), Norway	FX	5.0	Tfc
18,990.0	ISB	FTS99	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
	CW	ASB4	Karachi, Pakistan	FX	10.0	Tfc
19,005.0	LSB	GCB39	London (Rugby), England	FX	15.0	Telcom
19,013.0	USB/RTTY	KNY24	Washington, DC	FX	1.0	GFR EMBASSY
19,030.0	USB	CQX52	Luanda, Angola	FX	10.0	Telcom
19,036.0	USB	7OB90	Aden (Hiswa), Democratic Yemen	FX	5.0	Telcom
19,044.6	USB	ETS8	Addis Ababa, Ethiopia	FX	10.0	Telcom
19,070.0	AM	RRG25	Moscow, USSR	FX	20.0	R. Moscow Feeder
19,089.1	USB	TTZ90	N'Djamena, Chad	FX	20.0	Telcom
19,090.0	CW	RIW	Khiva Naval Radio, USSR	FX	....	Russian Navy
19,108.0	ISB	HLA79	Seoul, S. Korea	FX	30.0	Telcom/Tfc
19,110.0	USB	FYT2	Paris (St. Assise), France	FX	20.0	Telcom
19,115.0	ISB	CUA85	Lisbon (Alfragide), Portugal	FX	10.0	Telcom/Tfc
19,115.5	USB	C5B91	Banjul, Gambia	FX	3.0	Telcom
19,130.0	ISB	CQF62	Bissau, Guinea-Bissau	FX	....	Telcom/Tfc
19,150.0	USB	FPT5	Paris (St. Assise), France	FX	20.0	Telcom
19,154.0	USB	EHY78	Madrid (Pozuelo del Rey), Spain	FX	4.0	Telcom
19,163.5	CW/RTTY	CUC8	Lisbon (Alfragide), Portugal	FX	10.0	Tfc
19,167.5	USB	SUA311	Cairo, Egypt	FX	35.0	Telcom
19,170.0	ISB	RRG24	Moscow, USSR	FX	15.0	Telcom/Tfc
19,170.5	CW/ISB	FZC91	Cayenne, French Guiana	FX	20.0	Tfc
19,172.5	ISB	FPT7	Paris (St. Assise), France	FX	20.0	Telcom
19,196.0	ISB	5UR96	Niamey, Niger	FX	20.0	Telcom
19,205.5	LSB	FTT20	Paris (St. Assise), France	FX	20.0	Telcom
19,245.0	CW	CWO9	Cerrito, Uruguay	FX	5.0	Tfc (aka CWD68)
19,247.5	USB	FTT24	Paris (St. Assise), France	FX	20.0	Telcom
19,261.5	ISB	....	Bethany, OH	FX	50.0	VOA Feeder
19,265.0	USB	ZEN91	Cape D'Aguilar, Hong Kong	FX	3.0	Telcom
19,275.0	ISB	CUC23	Lisbon (Alfragide), Portugal	FX	10.0	Tfc
	FAX	....	Khabarovsk, USSR	FX	....	Meteo
19,297.0	USB	....	Northwest Pacific LORAN NET	FX	....	USCG (For list of stations see 7836.6)
19,305.0	USB	FTT30	Paris (St. Assise), France	FX	20.0	Telcom
19,320.0	CW	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
19,324.0	ISB	FZS93	St. Denis (Bel Air), Reunion	FX	20.0	Telcom/Tfc
19,352.5	USB	FPT35	Paris (St. Assise), France	FX	20.0	Telcom
19,360.0	CW	FSB62	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL (Also reported on this frequency are: TTR192, N'Djamena, Chad; 5BP2, Nicosia, Cyprus; 8UF75, New Delhi, India; 5TP25, Nouakchott, Mauritania and 5OP25, Lagos, Nigeria)
19,380.0	CW	....	several, in Europe, Mideast & Africa	FX	....	GDR EMBASSY (Signs with prefix "DTC")
19,379.8	USB	WEK69	New York, NY	FX	80.0	Telcom
19,400.0	USB	60F26	Mogadiscio, Somalia	FX	4.0	Telcom
19,419.9	ISB	9RE394	Lubumbashi, Zaire	FX	3.0	Telcom/Tfc
19,429.5	USB	SUA315	Cairo, Egypt	FX	15.0	Telcom
19,430.0	ISB	ATS69	Bombay (Kirkee), India	FX	20.0	Telcom/Tfc
19,440.0	USB	RKD	Moscow, USSR	FX	15.0	R. Moscow Feeder
19,449.8	CW	VTK3	Tuticorin Naval Radio, India	FX	....	Indian Navy
19,450.0	ISB	FZJ4	Djibouti, Djibouti	FX	....	Telcom/ Tfc
19,455.0	ISB	....	Daventry, England	FX	....	BBC Feeder

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
19,458.0	CW/RTTY	KNY20	Washington, DC	FX	1.0	Polish EMBASSY
	CW/RTTY	KNY23	Washington, DC	FX	1.0	Czech EMBASSY
19,478.3	ISB	....	Kigali, Rwanda	FX	....	Telcom/Tfc
19,482.5	A3H	....	Delano, CA	FX	50.0	VOA Feeder
19,488.0	CW	ZLX31	Wellington (Himatangi), New Zealand	FX	5.0	NOAA reports
<i>wx broadcasts at 0200, 0500, 0520, 2015, 2040 & 2110</i>						
19,490.0	ISB	ATT69	Bombay (Poona), India	FX	20.0	Telcom/Tfc
19,500.0	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY (Also
<i>on this frequency are: SAM61, New Delhi, India and SAM74, Mon-</i>						
		<i>rovia, Liberia)</i>				
19,505.2	LSB	....	Greenville, NC	FX	....	VOA Feeder
19,512.5	ISB	FZP95	Cayenne, French Guiana	FX	6.0	Telcom/Tfc
19,525.0	ISB	CXL33	Montevideo, Uruguay	FX	2.5	Telcom
19,532.0	ISB	FJY2	Port aux Francais, Kerguelen Is.	FX	35.0	Telcom/Tfc
19,532.5	ISB	....	Greenville, NC	FX	40.0	VOA Feeder
19,565.0	ISB	HEK6	Berne (Schwarzenburg), Switzerland	FX	4.0	Telcom
19,577.0	USB	ORI49	Brussels (Ruisseled), Belgium	FX	30.0	Telcom
19,585.0	ISB	HEO8	Berne (Schwarzenburg), Switzerland	FX	4.0	Telcom
19,610.0	ISB	HET7	Berne (Schwarzenburg), Switzerland	FX	4.0	Telcom
19,630.0	ISB	5YF92	Nairobi, Kenya	FX	30.0	Telcom/Tfc
19,665.0	ISB	CNR34	Rabat, Morocco	FX	20.0	Telcom/Tfc
19,655.1	USB	5LF19	Monrovia, Liberia	FX	6.0	Telcom
19,670.1	ISB	ASB33	Karachi, Pakistan	FX	....	Telcom/Tfc
19,675.4	CW	....	several, in Europe & Middle East	FX	....	Polish EMBASSY
19,679.2	LSB	7OB93	Aden (Hiswa), Democratic Yemen	FX	3.5	Telcom
19,690.0	FAX	AXM37	Canberra, Australia	FX	20.0	Meteo
19,701.0	LSB	....	Dacca, Bangladesh	FX	....	Telcom
19,713.2	LSB	PCK59	Hilversum (Kootwijk), Netherlands	FX	30.0	Backup Feeder
<i>for Radio Netherland</i>						
19,721.2	USB	....	Greenville, NC	FX	50.0	VOA Feeder
19,724.8	USB	RRD	Moscow, USSR	FX	20.0	R. Moscow
<i>Feeder</i>						
19,750.0	FAX	6VU79	Dakar, Senegal	AX	5.0	Meteo
19,785.0	CW	CTU79	Monsanto Naval Radio, Portugal	FX	3.0	Port. Navy
19,814.5	CW	CUC9	Lisbon (Alfragide), Portugal	FX	10.0	Tfc
19,845.0	USB	RWZ74	Moscow, USSR	FX	15.0	R. Moscow
<i>Feeder</i>						
19,849.2	CW/FAX	WFK39	New York, NY	FX	50.0	Tfc/Nx
19,880.0	ISB	JBU69	Tokyo, Japan	FX	10.0	Telcom/Tfc
19,885.0	ISB	SYU	Athens, Greece	FX	20.0	Telcom/Tfc
19,890.0	ISB	FZJ88	Djibouti, Djibouti	FX	....	Telcom/Tfc
19,900.0	ISB	HLA94	Seoul, S. Korea	FX	10.0	Telcom/Tfc
19,915.0	ISB	....	Delano, CA	FX	....	VOA Feeder
19,920.0	ISB	ODR92	Beirut, Lebanon	FX	5.0	Telcom/Tfc
19,950.0	CW/ISB	VPC	Port Stanley, Falkland Islands	FX	7.5	Telcom/Tfc
19,955.0	FAX	KWAF	Washington, DC	FX	3.0	Meteo
19,970.0	CW	PBC5	Goeree Naval Radio, Netherlands	FX	5.0	Dutch Navy
19,995.0	....	....	Used by COSMOS (USSR) Satellites	EH	....	Telemetry
19,996.0	....	....	Used by CHINA (PRC) Satellites	EH	....	Telemetry
20,000.0	AM	WWV	Fort Collins, CO	SS	10.0	TIME SIGNALS
20,009.0	....	....	Used by CHINA (PRC) Satellites	EH	....	Telemetry

20,010.0-21,000.0 kHz - Fixed Service (Worldwide)

20,010.0	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY (Also
<i>--see 14,971.5--used by all Swedish Embassies in foreign countries)</i>						
20,011.0	CW/RTTY	KNY26	Washington, DC	FX	1.0	Hungarian
<i>EMBASSY</i>						
20,015.0	FAX	NAM	Norfolk Naval Radio, VA	FC	10.0	Meteo
20,062.5	A3H	....	Greenville, NC	FX	50.0	VOA Feeder
20,064.1	CW	RKB	Moscow, USSR	FX	....	Tfc
20,080.0	USB	FTU8	Paris (St. Assise), France	FX	20.0	Telcom
20,123.0	CW/RTTY	KLA24	La Paz, Bolivia	FX	1.0	USA EMBASSY
20,124.0	ISB	OHU20	Helsinki, Finland	FX	1.0	EMBASSY
	USB	OHU21	Paris, France	FX	1.0	Finn EMBASSY
20,124.7	USB	....	Greenville, NC	FX	40.0	VOA Feeder

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
20,128.0	USB	TUA320	Abidjan, Ivory Coast	FX	7.0	Telcom
20,176.0	USB/RTTY	OHU20	Helsinki, Finland	FX	1.0	EMBASSY
	USB/RTTY	OHU25	Beijing, PRC	FX	1.0	Finn EMBASSY
20,185.6	USB	IRS41	Rome (Torrenova), Italy	FX	30.0	Telcom
20,198.3	LSB	AFE70	"Cape Radio" (Cocoa), FL	FX	40.0	USAF/NASA/Telcom
20,206.0	AM	3CA67	Banapa, Guinea	FX	4.0	Telcom
20,214.8	USB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,225.0	CW	NAM	Norfolk Naval Radio, VA	FC	20.0	USN NOAA re-
<i>ports wx broadcast at 1230 & seasonal ice at 1700 & 1900</i>						
20,230.0	ISB	CXL35	Montevideo, Uruguay	FX	2.5	Telcom/Tfc
20,235.0	ISB	GAA40	London (Rugby), England	FX	30.0	Telcom/Tfc
20,240.0	CW/RTTY	PWZ	Rio de Janeiro Radio, Brazil	FX/FC	10.0	BN/USN
20,240.9	ISB	5TA21	Nouadhibou, Mauritania	FX	6.0	Telcom/Tfc
20,262.5	USB	....	Mediterranean LORAN NET	FX	....	USCG (Includes:
<i>NCI, Simeri Crichi, Italy; NCI4, Kargaburun, Turkey; NCI10, Rhodes; NC111, Sardinia; AOB50, Estartit, Spain and AOB60, Vares, Spain)</i>						
20,265.0	ISB	SZF25	Athens, Greece	FX	4.0	Telcom/Tfc
20,288.0	CW	SOV22	Warsaw, Poland	FX	20.0	Nx
20,327.8	ISB	6VK221	Dakar, Senegal	FX	20.0	Telcom/Tfc
20,330.0	ISB	MKD	Akrotiri, Cyprus	FX	10.0	RAF Tfc
20,337.8	ISB	FZZ403	Moroni, Comoro Islands	FX	....	Telcom/Tfc
<i>(aka D6B)</i>						
20,345.0	ISB	....	Daventry, England	FX	....	BBC Feeder
20,353.0	CW	KKN44	Monrovia, Liberia	FX	....	USA EMBASSY
20,365.0	CW/RTTY	KKN50	Washington, DC	FX	10.0	EMBASSY
20,369.8	ISB	5VH403	Lomé, Togo	FX	20.0	Telcom
20,400.0	ISB	....	Beijing, PRC	FX	....	Telcom
20,430.0	ISB	IRS24	Rome (Torrenova), Italy	FX	10.0	Telcom
20,440.0	CW	CLP1	Havana, Cuba	FX	....	EMBASSY
20,460.0	LSB	YO75	Rangoon, Burma	FX	5.0	Telcom
20,485.0	ISB	LQB6	Buenos Aires (Mt. Grande), Argentina	FX	20.0	Telcom
20,500.0	ISB	LQD29	Buenos Aires (Mt. Grande), Argentina	FX	70.0	Telcom
20,510.0	USB	LQT35	Buenos Aires (Hurlingham), Argentina	FX	6.0	Telcom
20,535.0	ISB	ATJ71	Bombay (Kirkee), India	FX	20.0	Telcom
20,535.4	USB/AM	D2J35	Luanda, Angola	FX	10.0	Telcom
20,545.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,555.0	CW	P6Z	Paris, France	FX	....	EMBASSY
20,560.0	USB	FTU56	Paris (St. Assise), France	FX	20.0	Telcom
20,575.0	USB/RTTY	....	"Observatory" (Paulista), Brazil	FX	1.0	To MA, USA
20,600.0	USB	PUZ4	Brasilia, Brazil	FX	1.0	POLICE (To
<i>La Paz, Bolivia; Quito, Ecuador; Asuncion, Paraguay; Lima, Peru; Montevideo, Uruguay; Washington, DC and Caracas, Venezuela)</i>						
	ISB	AFH3	Albrook AFS, Canal Zone	FX	3.0	USAF/Telcom
	ISB	MKD	Akrotiri, Cyprus	FX	10.0	RAF Tfc
20,610.0	USB	KCW21	Cambridge, MA	FX	1.0	Tfc to Peru
20,615.0	ISB	TJF5	Douala, Cameroon	FX	10.0	Telcom
20,615.6	LSB	FTU61	Paris (St. Assise), France	FX	20.0	Telcom
20,619.0	CW	OMZ	Prague, Czechoslovakia	FX	1.0	EMBASSY
20,630.0	CW	LHK	Oslo (Jeloey), Norway	FX	10.0	Nx
20,640.0	USB	FTU64	Paris (St. Assise), France	FX	20.0	Telcom/Tfc
20,650.0	USB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,652.8	ISB	3XF24	Conakry, Guinea	FX	6.0	Telcom/Tfc
20,660.5	PAX	CLN646	Havana (Bauta), Cuba	FX	20.0	
20,670.0	AM	EHY22	Madrid (Pozuelo del Rey), Spain	FX	7.5	Telcom
20,675.0	USB	AJO	Adana AS, Turkey	FX	....	USAF/Telcom
	CW	NPL	San Diego Naval Radio, CA	FX/FC	50.0	USN
20,710.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
20,715.0	ISB	5OU99	Lagos, Nigeria	FX	10.0	Telcom
20,770.0	USB	....	Enköping, Sweden	FA	7.0	
	CW	ASO	Karachi, Pakistan	FX	10.0	Tfc
20,798.5	CW	WFI27	New York, NY	FX	....	Tfc/Nx
20,823.5	USB	9VC97	Singapore, Singapore	FX	5.0	
20,826.2	CW	WFN20	New York, NY	FX	50.0	Tfc/Nx
20,831.9	ISB	TTZ8	N'Djamena, Chad	FX	20.0	Telcom/Tfc
20,835.0	ISB	XYN45	Rangoon, Burma	FX	5.0	Telcom/Tfc
20,836.3	ISB	JBT30	Tokyo, Japan	FX	10.0	Telcom/Tfc

Fixed Service Worldwide (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
20,840.0	CW	DBX6	Berlin, GDR	FX	....	MFA/ZID
20,852.0	USB	Federal	Aviation Administration Backup Network			
20,881.8	LSB	....	numerous, worldwide	FX	....	MARS
20,884.8	LSB	....	numerous, worldwide	FX	....	MARS
20,890.3	ISB	ETT89	Addis Ababa, Ethiopia	FX	10.0	Tfc
20,900.0	ISB	FZK3	Djibouti, Djibouti	FX	....	Tfc
20,903.2	LSB	FTU90	Paris (St. Assise), France	FX	20.0	Telcom
20,913.6	ISB	ODS91	Beirut, Lebanon	FX	2.0	Tfc
20,917.8	USB	....	numerous, worldwide	FX	....	MARS
20,919.6	USB	FTU90	Paris (St. Assise), France	FX	20.0	Telcom
20,936.2	USB	....	several, in West Germany	FX	....	MARS
20,955.0	ISB	TNI9	Brazzaville, Congo	FX	20.0	Telcom
20,961.0	USB	SAM	Stockholm, Sweden	FX	1.2	EMBASSY (Also
--see 14,971.5--used by all Swedish Embassies in foreign countries)						
20,970.0	CW	C8N33	Maputo, Mozambique	FX	10.0	Tfc
20,972.1	ISB	ODS97	Beirut, Lebanon	FX	7.0	Telcom/Tfc
20,973.2	USB	....	numerous, worldwide	FX	....	MARS
20,976.0	CW	FLE23	Paris, France	FX	10.0	Tfc
20,986.6	USB	....	numerous, worldwide	FX	....	MARS
20,990.0	USB	....	Hanoi, Viet Nam	FX	....	Telcom
20,994.0	USB	....	numerous, worldwide	FX	....	MARS

21,000.0-21,450.0 kHz - Amateur Radio (Worldwide)

21,450.0-21,750.0 kHz - International Broadcasting (Worldwide)

21,750.0-21,850.0 kHz - Fixed Service (Worldwide)

21,760.0	CW	NWC	Northwest Cape Naval R., Australia	FX	....	USN
	CW	NKW	Diego Garcia Naval Radio	FX	....	USN
	CW	NPN	Barrigada (Agana NAS), Guam	FX	3.0	USN NOAA re-
ports wx broadcasts at 0400, 1300, 1700 & 2300						
	CW	RIF31	Moscow, USSR	FX	20.0	Tfc
21,784.0	CW	RIW	Khiva Naval Radio, USSR	FX	....	Russian Navy
21,785.0	FAX	NPM	Lualualei Naval Radio, HI	FX	15.0	USN Meteo
21,790.0	ISB	CML61	Havana (Bauta), Cuba	FX	30.0	Telcom/Tfc
21,807.5	CW	AYA28	Buenos Aires, Argentina	FX	1.0	INTERPOL
	CW	FSB67	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL
21,813.0	CW	CLN653	Havana (Bauta), Cuba	FX	30.0	Tfc to USSR
21,861.2	USB	....		FX	....	Telcom

21,870.0-22,000.0 kHz - Aeronautical Fixed & Mobile (Worldwide)

21,884.8	USB	....		FX	....	Feeder in AA
21,886.0	AM/A3H	....	numerous, mostly around Africa	FA/MA	....	Airports & in-flight
21,943.6	USB	....	Paris (Orly), France	FA/MA	6.0	
21,970.0	USB	DLH	Frankfurt, GFR	FA/MA	6.0	
21,996.0	USB	....	numerous, worldwide, operational	FA/MA	....	Airports & in-flight--particularly ARINC New York to Honolulu (phone patch available)

22,000.0-22,720.0 kHz - Maritime Mobile (Worldwide)

22,124.0	USB	....	Coast & Ship Simplex Frequency	FC/MS	....
22,127.1	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	This frequency is also used by USCG Coast Stations: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMQ, Long Beach, CA; NMR, San Juan, PR; NOJ, Kodiak, AK and NRV, Guam
22,130.2	USB	....	Coast & Ship Simplex Frequency	FC/MS	....
22,133.2	USB	....	Coast & Ship Simplex Frequency	FC/MS	....	Also used by USCG (For list of stations see 22,127.1)
22,136.4	USB	....	Coast & Ship Simplex Frequency	FC/MS	....
22,312.5	CW	XSG	Shanghai Radio, PRC	FC	15.0	
22,313.0	CW	FUF	Fort de France, Martinique	FC	20.0	French Navy
22,315.5	CW	VIP6	Perth Radio, Australia	FC	10.0	AMVER

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
22,318.5	CW	FFS9	St. Lys Radio, France	FC	10.0	
22,321.1	CW	UJY	Kaliningrad Radio, USSR	FC	5.0	
22,323.5	CW	DZJ	Manila (Bulacan), Philippines	FC	1.5	
22,324.5	CW	PCH98	Scheveningen Radio, Netherlands	FC	10.0	(aka PCH70)
22,327.5	CW	SVG7	Athens Radio, Greece	FC	5.0	
22,330.4	CW	4XZ	Haifa Naval Radio, Israel	FC	2.0	Israel Navy
22,330.5	CW	PBC3	Goeree Naval Radio, Netherlands	FC	10.0	Dutch Navy
22,334.5	CW	DHS	Rügen Radio, GDR	FC	5.0	
22,335.5	CW	DZI	Manila (Bacoar), Philippines	FC	1.0	
22,340.2	CW	DAL	Norddeich Radio, GFR	FC	10.0	
22,344.5	CW	HEB	Berne Radio, Switzerland	FC	10.0	
22,346.5	CW	LSA7	Boca (Buenos Aires) Radio, Argentina	FC	3.0	
22,346.5	CW	SVI7	Athens Radio, Greece	FC	5.0	
22,347.0	CW	ZSC20	Cape Town Radio, RSA	FC	10.0	
22,351.5	CW	OST72	Oostende Radio, Belgium	FC	30.0	
	CW	XSQ	Guangzhou Radio, PRC	FC	10.0	
22,352.4	CW	UFB	Odessa Radio, USSR	FC	5.0	
22,352.5	CW	PPR	Rio de Janeiro Radio, Brazil	FC	1.0	TIME SIGNALS/ Tfc
22,354.5	CW	UDK2	Murmansk Radio, USSR	FC	10.0	
22,363.0	CW	XSG	Shanghai Radio, PRC	FC	5.0	
22,372.4	CW	ICB	Genoa P.T. Radio, Italy	FC	10.0	
22,375.6	CW	IAR2	Rome P.T. Radio, Italy	FC	15.0	
22,376.9	CW	VTG9	Bombay Naval Radio, India	FC	1.0	Indian Navy
22,378.0	CW	IAR32	Rome P.T. Radio, Italy	FC	15.0	
22,383.0	CW	URL	Sevastopol Radio, USSR	FC	15.0	
22,384.0	FAX	GZZ	London (Northwood), England	FC	5.0	RN/Meteo
	CW	EAC	Cadiz (Tarifa) Radio, Spain	FC	0.8	AMVER
	CW	VTG9	Bombay Naval Radio, India	FC	1.0	Indian Navy
22,386.0	CW	JCT	Choshi Radio, Japan	FC	3.0	
22,387.0	CW	VCS	Halifax CG Radio, Canada	FC	1.0	
	CW	ESF	Tallinn Radio, Estonian SSR	FC	5.0	
22,388.0	CW	VTG4	Bombay Naval Radio, India	FC	1.0	
22,389.0	CW	HWN	Paris, France	FC	....	French Navy
22,390.4	CW	FUF	Fort de France, Martinique	FC	10.0	
22,393.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
22,393.2	CW	ZRQ3	Cape (Simonstown) Naval Radio, RSA	FC	10.0	RSA Navy
22,396.0	CW	CLA50	Havana (Cojimar) Radio, Cuba	FC	5.0	
	CW	JOS	Nagasaki Radio, Japan	FC	3.0	
	CW	LFL	Rogaland Radio, Norway	FC	5.0	
22,396.7	CW	OFJ9	Helsinki Radio, Finland	FC	10.0	
22,297.5	CW	CFH	Maritime Command Radio, Halifax, Canada (Canadian Navy)	FC	10.0	
22,399.0	CW	SPH9	Gdynia Radio, Poland	FC	10.0	
22,401.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
	CW	XSG	Shanghai Radio, PRC	FC	5.0	
22,404.0	CW	OXZ92	Lynby Radio, Denmark	FC	10.0	
22,406.0	CW	ZRH7	Cape (Fisantekraal) Naval R., RSA	FC	15.0	RSA Navy
22,407.0	CW	ZLO7	Irirangi Naval Radio, New Zealand	FC	20.0	RNZ Navy
	CW	SPI9	Gdynia Radio, Poland	FC	10.0	
22,407.3	CW	GKC7	Portishead Radio, England	FC	5.0	
22,409.0	CW	JOR	Nagasaki Radio, Japan	FC	15.0	
22,410.8	CW	SVA7	Athens Radio, Greece	FC	5.0	
22,411.0	CW	UNQ	Novorossiisk Radio, USSR	FC	5.0	
22,413.0	CW	SAG9	Göteborg Radio, Sweden	FC	5.0	AMVER
22,415.0	CW	DAF	Norddeich Radio, GFR	FC	10.0	
22,417.0	CW	SVB7	Athens Radio, Greece	FC	5.0	
22,419.0	CW	LPD91	Gen. Pacheco Radio, Argentina	FC	15.0	
	CW	OXZ9	Lynby Radio, Denmark	FC	10.0	
	CW	JCS	Choshi Radio, Japan	FC	3.0	
22,422.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
22,423.0	CW	UAT	Moscow, USSR	FC	15.0	
22,425.0	CW	LGG	Rogaland Radio, Norway	FC	5.0	AMVER
	CW	AQP6	Karachi Naval Radio, Pakistan	FC	20.0	Pakistan Navy
	CW	KFS	San Francisco Radio, CA	FC	30.0	
	FAX	RHB/RHO	Khabarovsk Radio, USSR	FC	....	Meteo

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
22,428.0	CW	9VG59	Singapore Radio, Singapore	FC	5.0	
22,431.0	CW	GKD7	Portishead Radio, England	FC	5.0	
	CW	WNU	Slidell Radio, LA	FC	3.0	NOAA reports wx broadcast at 1630
22,435.0	CW	UFL	Vladivostok Radio, USSR	FC	15.0	
22,437.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
22,438.5	CW	SAB9	Göteborg Radio, Sweden	FC	5.0	
22,440.0	CW	JOU	Nagasaki Radio, Japan	FC	15.0	
22,440.2	CW	UJQ7	Kiev Radio, USSR	FC	5.0	
22,443.0	CW	YUR9	Rijeka Radio, Yugoslavia	FC	6.0	
22,446.0	CW	EAD6	Aranjuez Radio, Spain	FC	5.0	
22,449.0	CW	GKB7	Portishead Radio, England	FC	5.0	
22,452.0	CW	XSQ7	Guangzhou Radio, PRC	FC	5.0	
22,454.2	CW	GYC7	Whitehall (London) Naval R., England	FC	10.0	British Navy
22,455.0	CW	ZSC40	Cape Town Radio, RSA	FC	10.0	NOAA reports wx broadcasts at 0930, 1348 & 1730
22,457.6	CW	WNU	Slide11 Radio, LA	FC	3.0	
22,458.0	CW	URD	Leningrad Radio, USSR	FC	15.0	
22,459.0	CW	OXZ93	Lyngby Radio, Denmark	FC	10.0	
22,461.0	CW	4XO	Haifa Radio, Israel	FC	2.5	
22,463.0	CW	JCU	Choshi Radio, Japan	FC	15.0	
22,467.0	CW	GKA7	Portishead Radio, England	FC	5.0	NOAA reports wx broadcasts at 0930 & 1130
22,471.5	CW	SVD7	Athens Radio, Greece	FC	5.0	
22,472.0	CW	NMO	Honolulu CG Radio, HI	FC	5.0	USCG/TIME SIG- NALS NOAA reports wx broadcasts at 0100, 0700 & 2000
22,472.8	CW	LFG	Rogaland Radio, Norway	FC	5.0	AMVER
22,473.0	CW	CBV	Valparaiso Radio, Chile	FC	1.0	
22,474.0	CW	VIS42	Sydney Radio, Australia	FC	5.0	AMVER
22,476.0	CW	DAM	Norddeich Radio, GFR	FC	10.0	
	CW	NMC	San Francisco CG Radio, CA	FC	10.0	USCG/AMVER
	CW	NMO	Honolulu CG Radio, HI	FC	5.0	USCG/NUKO
22,479.0	CW	CUL24	Lisbon Radio, Portugal	FC	15.0	
	CW	9VG27	Singapore Radio, Singapore	FC	5.0	
	CW	KPH	San Francisco Radio, CA	FC	30.0	
22,481.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
22,482.0	CW	HLG	Seoul Radio, S. Korea	FC	....
22,484.9	CW	WSL	Amagansett Radio, NY	FC	30.0	
22,485.0	CW	VIX7	Master Station Canberra, Australia	FC	20.0	NOAA reports wx broadcasts at 0130 & 2130
22,486.0	CW	OMP	Prague Radio, Czechoslovakia	FC	1.0	
22,491.0	CW	4XO	Haifa Radio, Israel	FC	2.5	
22,494.0	CW	GKK7	Portishead Radio, England	FC	5.0	
22,495.0	CW	SPA9	Gdynia Radio, Poland	FC	10.0	
22,497.0	CW	UDK2	Murmansk Radio, USSR	FC	6.0	
	CW	UQK	Riga Radio, Latvian SRR	FC	5.0	
22,500.0	CW	SVF7	Athens Radio, Greece	FC	5.0	
22,502.0	CW	DZG	Manila (Las Piñas) Radio, Philippines	FC	5.0	NOAA reports wx broadcasts at 0320 & 1520
22,503.0	CW	GKG7	Portishead Radio, England	FC	5.0	
22,505.0	CW	SPE9	Szczecin Radio, Poland	FC	10.0	
22,508.5	CW	DAM	Norddeich Radio, GFR	FC	5.0	
22,509.0	CW	FFL9	St. Lys Radio, France	FC	10.0	
22,512.0	CW	UAT	Moscow Radio, USSR	FC	15.0	
22,515.0	CW	DAN	Norddeich Radio, GFR	FC	5.0	
22,515.0	CW	KFS	San Francisco Radio, CA	FC	30.0	NOAA reports wx broadcasts at 0320, 1620, 2200 & 2300
22,518.0	CW	WCC	Chatham Radio, MA	FC	15.0	
22,524.0	CW	JFA	Chuo Gyogyo (Matsudo) Radio, Japan	FC	3.0	
22,525.5	CW	GKH7	Portishead Radio, England	FC	5.0	
22,525.9	CW	IRM	C.I.R.M. Rome Radio, Italy	FC	....	AMVER/Medico
22,526.0	CW	XSQ	Guangzhou Radio, PRC	FC	5.0	
22,530.0	CW	PWZ	Rio de Janeiro Radio, Brazil	FC	2.0	BN/USN
	CW	UFL	Vladivostok Radio, USSR	FC	15.0	
22,533.0	CW	OST7	Oostende Radio, Belgium	FC	10.0	

Maritime Mobile (con.)

kHz	Mode	Call	Location	Service	kW	Remarks
22,533.0	CW	ZLB7	Awarua Radio, New Zealand	FC	5.0	AMVER
	CW	EDZ7	Aranjuez Radio, Spain	FC	5.0	
22,536.0	CW	VPS22	Cape D'Aguilar Radio, Hong Kong	FC	3.0	TIME SIGNALS/Tfc
22,538.0	CW	DZN	Manila (Navotas) Radio, Philippines	FC	3.0	
22,539.0	CW	PCH71	Scheveningen Radio, Netherlands	FC	3.0	AMVER
22,542.0	FAX	JJC	Tokyo, Japan	FC	15.0	Meteo/Nx
22,545.0	CW	DHS	Rügen Radio, GDR	FC	5.0	
	CW	GKJ7	Portishead Radio, England	FC	5.0	
	CW	....	numerous	FC/MS	....	USCG Command
<i>Net Calling Frequency For All "Fixed" Stations (used by ships/aircraft and for RTTY)</i>						
22,550.2	CW	VWB	Bombay Radio, India	FC	5.0	
22,551.0	CW	CTV2	Monsanto Naval Radio, Portugal	FC	20.0	Port. Navy
22,554.0	CW	OSN	Oostende Naval Radio, Belgium	FC	1.0	Belgium Navy
	CW	LZL2	Burgas, Bulgaria	FC	1.5	
22,557.0	CW	KPH	San Francisco Radio, CA	FC	30.0	
22,560.0	CW	URL	Sevastopol Radio, USSR	FC	5.0	
22,561.8	CW	GKE	Portishead Radio, England	FC	5.0	
22,565.2	CW	XSG	Shanghai Radio, PRC	FC	15.0	

Coast Stations USB Duplex

22,596.0	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	CH#2201 (22,000.0)
	USB	WOO	New York (Ocean Gate) Radio, NY	FC	10.0	" (NOAA reports wx broadcasts at 0100, 1300 & 1900)
22,599.1	USB	....	Rome Radio 2, Italy	FC	7.0	CH#2202 (22,003.1)
	USB	....	Rijeka Radio, Yugoslavia	FC	7.5	"
22,602.2	USB	....	Göteborg Radio, Sweden	FC	5.0	CH#2203 (22,006.2)
22,605.3	USB	OHG2	Helsinki Radio, Finland	FC	10.0	CH#2204 (22,009.3)
	USB	FFL92	St. Lys Radio, France	FC	6.0	"
	USB	ZSC29	Cape Town Radio, RSA	FC	10.0	"
22,608.4	USB	PCG71	Scheveningen Radio, Netherlands	FC	10.0	CH#2205 (22,012.4)
22,611.5	USB	GKT76	Portishead Radio, England	FC	10.0	CH#2206 (22,015.5)
	USB	....	numerous	FC	....	USCG CH#2206 (Used by all USCG stations listed on 17,307.3)
22,614.6	USB	DAJ	Norddeich Radio, GFR	FC	10.0	CH#2207 (22,018.6)
	USB	....	Moscow Radio, USSR	FC	10.0	"
22,617.7	USB	LFN32	Rogaland Radio, Norway	FC	10.0	CH#2208 (22,021.1)
22,623.9	USB	WOO	New York (Ocean Gate) Radio, NY	FC	10.0	CH#2210 (NOAA reports wx broadcasts at 0200, 1400 & 2000) (22,027.9)
22,627.0	USB	....	Rome Radio 2, Italy	FC	7.0	CH#2211 (22,031.0)
	USB	....	Göteborg Radio, Sweden	FC	5.0	"
22,630.1	USB	5BA72	Cyprus Radio, Cyprus	FC	10.0	CH#2212 (22,034.1)
	USB	GKU72	Portishead Radio, England	FC	10.0	"
22,636.3	USB	HEB52	Berne Radio, Switzerland	FC	10.0	CH#2214 (22,040.3)
22,639.4	USB	FFL95	St. Lys Radio, France	FC	6.0	CH#2215 (22,043.4)
	USB	WOM	Miami Radio, FL	FC	10.0	"
22,642.5	USB	....	Genoa Radio 2, Italy	FC	7.0	CH#2216 (22,046.5)
	USB	WOM	Miami Radio, FL	FC	10.0	"
22,645.6	USB	SVN7	Athens Radio, Greece	FC	5.0	CH#2217 (22,049.6)
	USB	....	numerous	FC	....	USCG CH#2217 (Used by all USCG stations listed on 17,307.3)

Coast Stations USB Duplex

kHz	Mode	Call	Location	Service	kW	Remarks
22,651.8	USB	SPO	Szczecin Radio, Poland	FC	10.0	CH#2219 (22,055.8)
22,658.0	AM/USB	INTERNATIONAL COAST STATION CALLING FREQUENCY			....	CH#2221 (22,062.0)
22,667.3	USB	SVN7	Athens Radio, Greece	FC	5.0	CH#2224 (22,071.3)
	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	" "
22,673.5	USB	FFL91	St. Lys Radio, France	FC	6.0	CH#2226 (22,077.5)
22,676.6	USB	JBO	Tokyo Radio, Japan	FC	10.0	CH#2227 (22,080.6)
22,682.8	USB	EHY	Pozuelo del Rey Radio, Spain	FC	10.0	CH#2229 (22,086.8)
22,685.9	USB	....	Göteborg Radio, Sweden	FC	5.0	CH#2230 (22,089.9)
22,689.0	USB	FFL94	St. Lys Radio, France	FC	6.0	CH#2231 (22,093.0)
	USB	SVN7	Athens Radio, Greece	FC	5.0	" "
22,692.1	USB	PCG72	Scheveningen Radio, Netherlands	FC	10.0	CH#2232 (22,096.1)
	USB	HEB62	Berne Radio, Switzerland	FC	10.0	" "
22,695.2	USB	....	numerous, in the USA	FC	....	NOAA CH#2233 (22,099.2)
22,704.5	USB	....	Lyngby Radio, Denmark	FC	10.0	CH#2236 (22,108.5)
	USB	JBO	Tokyo Radio, Japan	FC	10.0	" "
22,707.6	USB	LFN43	Rogaland Radio, Norway	FC	10.0	CH#2237 (22,111.6)
22,710.7	USB	PPR	Rio Radio, Brazil	FC	1.0	CH#2238 (22,114.7)
22,713.8	USB	LFN44	Rogaland Radio, Norway	FC	10.0	CH#2239 (22,117.8)
22,716.9	USB	JBO	Tokyo Radio, Japan	FC	10.0	CH#2240 (22,120.9)

22,720.0-23,200.0 kHz - Fixed Service (Worldwide)

22,725.0	CW/RTTY	FUJ	Noumea Naval Radio, New Caledonia	FC/FX	2.0	French Navy
22,760.0	ISB	....	several, in the USA	FX	....	NASA
22,770.0	FAX	JMH6	Tokyo, Japan	FX	5.0	Meteo
22,769.5	USB	RBK51	Moscow, USSR	FX	20.0	R. Moscow Feeder
22,775.0	FAX	9VF235	Singapore, Singapore	FX	5.0	Nx (Also RTTY)
22,852.4	LSB	ZEG25	Salisbury, Rhodesia	FX	20.0	Telcom
22,865.0	FAX	NPO	San Miguel (Capas), Philippines	FX	15.0	USN/Meteo
22,867.0	FAX	5YE	Nairobi, Kenya	FX	30.0	Meteo
22,930.0	ISB	....	Daventry, England	FX	30.0	BBC Feeder
22,954.8	ISB	5UR29	Niamey, Niger	FX	20.0	Telcom/Tfc
22,970.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
23,009.5	USB	CXL48	Montevideo, Uruguay	FX	4.0	Telcom
23,068.5	FAX	KWAF	Washington, DC	FX	....	Meteo
23,075.0	USB	ZEN230	Cape D'Aguilar, Hong Kong	FX	3.0	Telcom
	CW	WFN23	New York, NY	FX	50.0	Nx/Tfc
23,101.0	ISB	AFH3	Albrook AFS, Canal Zone	FX	3.0	USAF
23,191.0	ISB	....	Daventry, England	FX	30.0	BBC Feeder

23,200.0-23,350.0 kHz - Aeronautical Fixed & Mobile (Worldwide)

23,210.0	USB	numerous, in New Zealand	FA/MA	RNZ Air Force
	USB	....	Enköping, Sweden	FA	30.0	
23,263.5	USB	....	several, worldwide	FA/MA	....	USAF
23,285.0	USB	....	Berne (Schwarzenburg), Switzerland	FA/MA	6.0	
23,331.4	FAX	KVM70	Honolulu (International), HI	AX	10.0	Meteo
23,337.0	USB	....	several, in Europe	FA/MA	....	USAF

23,350.0-25,070.0 kHz - Fixed Service (Worldwide)

kHz	Mode	Call	Location	Service	kW	Remarks
23,420.0	ISB	HEO22	Berne, Switzerland	FX	4.0	Telcom/Tfc
23,467.1	LSB	5OV234	Lagos (Ikorodu), Nigeria	FX	30.0	Telcom/Tfc
23,795.0	ISB	9GN30	Accra, Ghana	FX	8.0	Telcom/Tfc
23,862.5	CW/RTTY	KKN50	Washington, DC	FX	15.0	EMBASSY (aka KKN52)
23,880.0	FAX	NPN	Barrigada (Agana NAS), Guam	FX/FC	15.0	USN/Meteo
23,912.5	ISB	FZQ39	Papeete (Papenoo), Tahiti	FX	20.0	Telcom/Tfc
23,952.5	LSB	DGX95	Hamburg, GFR	FX	20.0	Telcom/Tfc
23,974.8	CW	KKN50	Washington, DC	FX	15.0	EMBASSY (aka KKN49)
23,982.5	CW	KKN50	Washington, DC	FX	15.0	EMBASSY
24,088.5	USB	....	Mediterranean LORAN Net	FX	....	USCG (Includes: NCI, Simeri Crichi, Italy; NCI4, Karabarun, Turkey; NC111, Sardinia; AOB50, Estartit, Spain and AOB60, Estaca de Vares, Spain)
24,108.5	USB	FSB65	Paris (St. Martin Abbat), France	FX	2.5	INTERPOL
24,110.0	CW	AYA29	Buenos Aires, Argentina	FX	1.0	INTERPOL
	CW	OWS	Copenhagen, Denmark	FX	1.0	INTERPOL
24,115.0	ISB	CXL53	Montevideo, Uruguay	FX	4.0	Telcom/Tfc

25,070.0-25,600.0 kHz - Fixed Service & Maritime Mobile (Worldwide)

25,135.0	CW	OST8	Oostende Radio, Belgium	FC	10.0	
25,196.0	CW	DAM	Norddeich Radio, GFR	FC	5.0	
25,261.6	CW	OXZ95	Lyngby Radio, Denmark	FC	10.0	
25,277.0	CW	ZSC41	Cape Town Radio, RSA	FC	10.0	
25,308.0	CW	LFR	Rogaland Radio, Norway	FC	5.0	
25,350.0	ISB	....	Holzkirchen, GFR	FX	10.0	RFE Feeder
25,355.0	CW	AQP	Karachi Naval Radio, Pakistan	FC	5.0	
25,380.0	CW	....	several	FC	....	USCG (Includes: NMA, Miami, FL; NMC, San Francisco, CA; NMF, Boston, MA; NMG, New Orleans, LA; NMN, Portsmouth, VA; NMO, Honolulu, HI; NMR, San Juan, PR; NOJ, Kodiak, AK and NOZ, Elizabeth City, NC)
25,382.5	CW	LFZ	Rogaland Radio, Norway	FC	5.0	
25,401.0	CW	SVB8	Athens Radio, Greece	FC	5.0	
25,415.5	CW	SAB25	Göteborg Radio, Sweden	FC	5.0	
25,441.5	USB	....	Lyngby Radio, Denmark	FC	10.0	
25,444.0	USB	....	Lyngby Radio, Denmark	FC	10.0	
25,461.0	CW	SAG25	Göteborg Radio, Sweden	FC	5.0	AMVER
25,465.0	ISB	GLJ45	London (Ongar), England	FX	10.0	Telcom/Tfc
25,493.0	LSB	GAR45	London (Rugby), England	FX	30.0	Telcom
25,535.0	CW	SVD8	Athens Radio, Greece	FC	5.0	
25,590.0	CW	NAR	Key West Naval Radio, FL	FC	5.0	USN/NUKO

NOAA reports wx broadcasts at 0030, 0550, 0630, 1200, 1700 & 1900

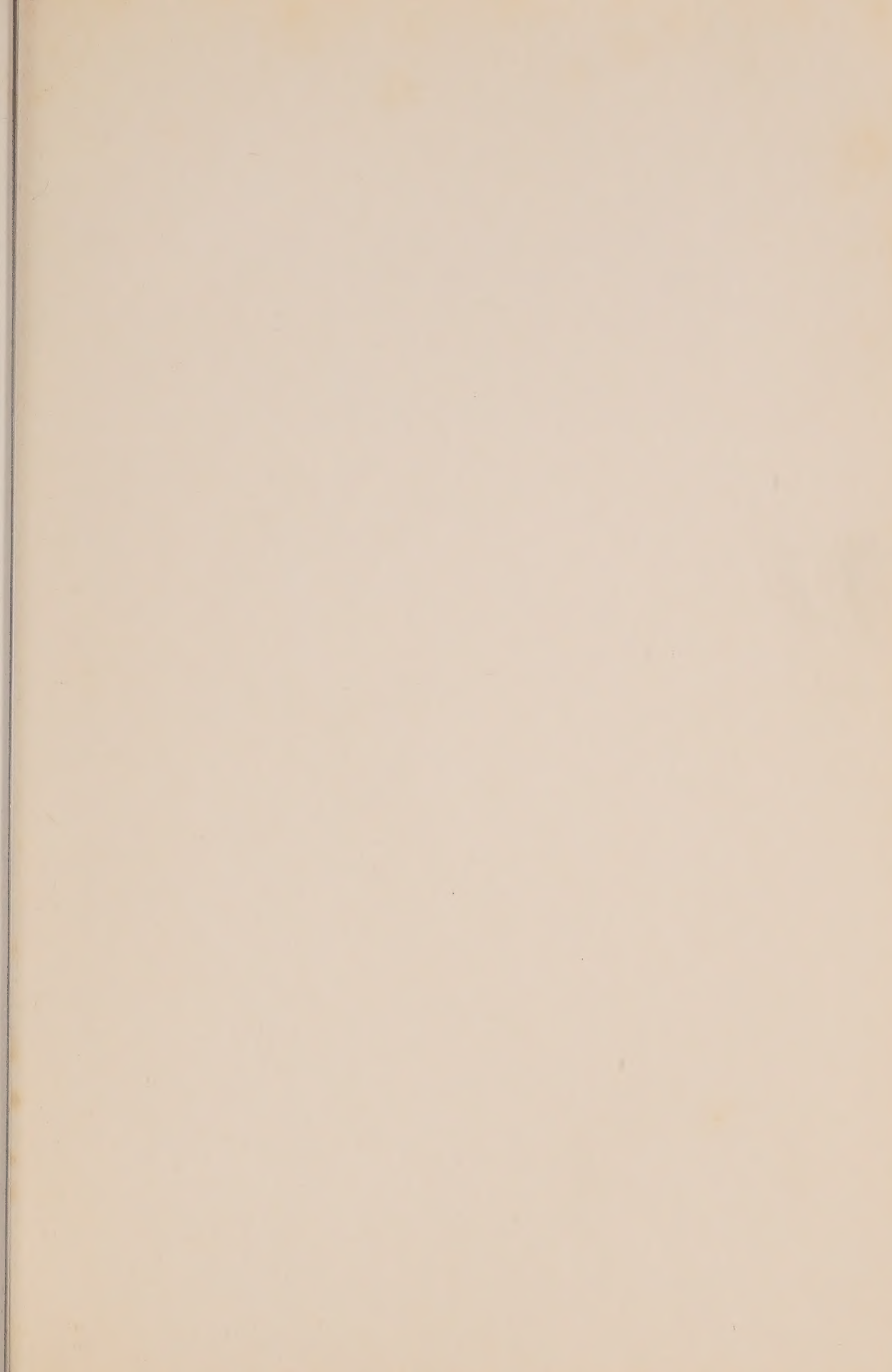
Additions, Deletions, Errors and Omissions

During the assembly process of CFL#4 from raw data to printed page, many new stations were coming on the air (especially above 17 MHz), several very busy circuits were being abandoned, the conflict among data sources worsened and the Chinese decided to introduce a new complex "Pinyin" spelling system. Inasmuch as a new fully computerized new edition (CFL#5) is being planned for late 1980, the author would appreciate solid information on any of the above problem areas.

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Abbreviations

AA Arabic Language	GDR German Democratic Republic (East Germany)	PRC People's Republic of China
AB Air Base	GFR German Federal Republic (West Germany)	QRA The name of my station is ...
AFB Air Force Base	GG German Language	RAAF Royal Australian Air Force
AFS Air Force Station	ICAO International Civil Aviation Organization	RAF Royal Air Force (England)
aka also known as	INTERPOL International Criminal Police Organization	RCAF Royal Canadian Air Force
AMVER Automated Mutual-assistance VESsel Rescue System	ISB Independent Sidebands	RCMP Royal Canadian Mounted Police
AX Aeronautical Fixed Station	LSB Lower Sideband	RFE Radio Free Europe
A3A SSB with 16 dB reduced carrier	MA Aircraft Station	RNZ Royal New Zealand
A3H SSB with 6 dB reduced carrier	MARS Military Affiliate Radio System	RR Russian Language
BBC British Broadcasting Corporation	Medico Medical Advice	RSA Republic of South Africa
BN Brazilian Navy	Meteo Meteorological	RTTY Radioteletype
CAP Civil Air Patrol	MFA/ZID Ministry of Foreign Affairs/GDR	SAMTEC Space & Missile Tactical Communications Work
CC Chinese Language	Mkr Marker	School Australian Outback School Communications
CH# Channel Number	MS Ship Station	SECOSENA Argentina Security of Navigation
CW Morse Code Transmissions	NAS Naval Air Station	SS Spanish Language
EE English Language	NASA National Aeronautical & Space Administration	Telcom Telephone Conversations
EH Earth Satellite	NAWS Notice To All Allied Warships	Tfc Traffic
FA Aeronautical Station	NOAA National Oceanic & Atmospheric Administration	USAF U.S. Air Force
FAX Facsimile	NORAD North American Air Defense Command	USB Upper Sideband
FC Coast Station	NTM Notice To Mariners	USCG U.S. Coast Guard
FCL Coast Station (Limited)	NUKO Notice To All Allied Merchant Ships	USN U.S. Navy
FF French Language	Nx News	VOA Voice of America
FS Safety of Life Coast Station	Outpost Australian Ranch or Village	VOLMET Weather Broadcasts
FX Fixed Station		Wx Weather



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Frequency List

OLIVER P. FERRELL was born in Atlantic City, NJ and has been engaged in one or more aspects of radio monitoring since 1934. Perry wrote numerous articles on FM and VHF propagation in the late 1930's. From RCA Camden (Test Equipment Maintenance in the once famous 10-13 Building), the USAF/Signal Corps "sponsored" a 3-year stint in India and China. Returning to writing, and then editing, post-WWII, Perry successively became chief editor of CQ, STEREO REVIEW and POPULAR ELECTRONICS. A second 3-year interruption was spent (1949-1951) as Supervisor of "Project RASO" for the USAF Cambridge Research Laboratories. In addition to writing a book and several hundred magazine articles and editorials, Perry has published original research papers on meteoric ionization and sporadic-E cloud movements. Married to Jeanne C. Gillespie (the GIL of GILFER), they have three children; Mike, Carolyn and Leslie.



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